

1503  
-6 JAN 1956

The

# CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

JANUARY 7 1956

Severely  
Chapped Hands

member

Acriflex

Quickly soothes & heals

In tubes — retail price 1/6 & 2/6

ALLEN & HANBURY'S LTD LONDON E 2

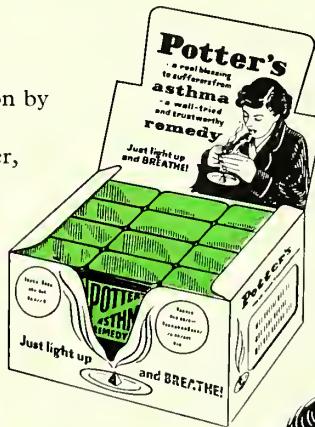


*Another top seller from the*

# Potter's range of products

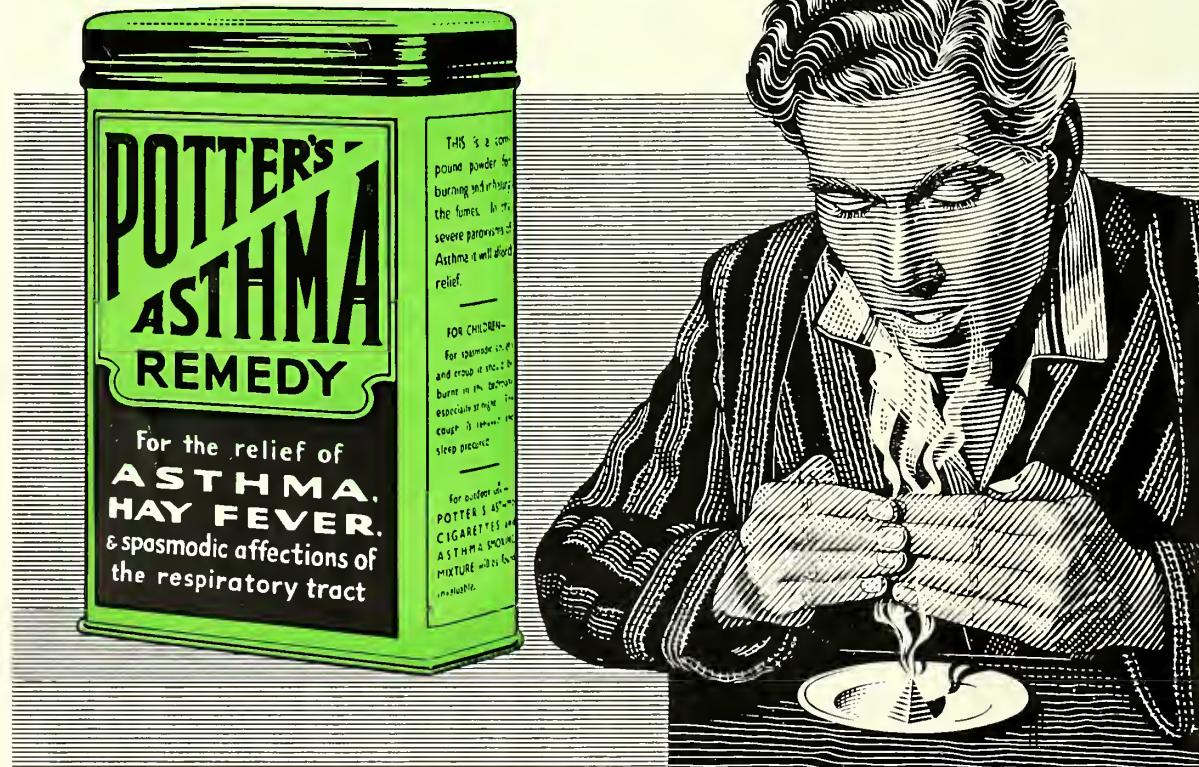
This renowned and trusted method of relieving attacks of ASTHMA is relied on by many thousands of asthmatics.  
Recommended also in cases of Hay Fever, Whooping Cough or Bronchitis attacks.  
Every tin contains a special Pyramid Dispenser.

**Regular National-scale  
Advertising continues to  
support this Potter's line**



*Orders through  
Wholesalers Only  
please*

1 doz. tins of Potter's Asthma Remedy are displayed in this coloured container. Retail 3/- a tin. Trade 22/- a doz. (Plus Purchase Tax, 30%).



**POTTER & CLARKE LIMITED BARKING · ESSEX Telephone: RIPpleway 3041**



## INTRAVENOUS TUBERCULOTHERAPY

Intravenous sodium PAS infusion for miliary, meningitic and severe forms of tuberculosis is an established technique; some sanatoria now favour I.V. PAS as *first choice* even in moderate cases because of its very high tolerability.

I.V. infusions demand the use of crystalline sodium PAS of first-grade quality, for which purpose 'AMINACYL' (Wander) brand of specially purified crystalline PAS is supplied to sanatoria in bottles of 250 grammes.

The Wander range of tuberculostatics  
also includes the following oral forms:

### B-PAS WANDER

Calcium B-PAS (Wander), first introduced by our Research Laboratories in 1948, provides the advantages of high bacteriostatic levels, and excellent acceptability because it is practically tasteless.

**PACKS**—Powder: Tins of 150 and 500 x 3.5 g. envelopes  
Cachets: Tins of 80 and 400 x 1.0 g.

### 'B-PASINAH' WANDER

For concurrent therapy, 'B-PASINAH' provides 1 g. B-PAS and 25 mg. INAH in convenient Cachet form, packed in tins of 100 and 500.

*Price details of all forms of PAS from the Medical Dept.*

**A. WANDER LTD., 42 Upper Grosvenor St., London W.1.**



T.41





Gentle

**reminder.** In the ritual of antisepsis there can be no relaxation. In the operating theatre, in the labour ward, in the first-aid post, 'DETTOL' is a constant reminder that the greatest triumph over infection still lies in its prevention.



This quaint old 17th century French engraving shows us the main participants in an "enfantement"

# Ergo-Rondase

(ERGOMETRINE WITH RONDASE)

FOR INTRAMUSCULAR INJECTION BY MIDWIVES

Intramuscular injection of Ergo Rondase at delivery enables the midwife, who is not permitted to give an intravenous injection, to make full use of the valuable drug ergometrine at childbirth.

In practice, injection of Ergo Rondase by the intramuscular route should prove to be equally as effective as intravenous injection of ergometrine alone.

PRESENTATION: Dual pack containing—

1 ml. ampoule Injection of Ergometrine Maleate B.P.o.5 mg.

1 vial. Rondase (hyaluronidase-Evans) 1.0 mg; also boxes of six vials of each.

**EVANS**  
MEDICAL

FURTHER INFORMATION ON REQUEST FROM MEDICAL INFORMATION DEPARTMENT

EVANS MEDICAL SUPPLIES LIMITED, SPEKE, LIVERPOOL 19

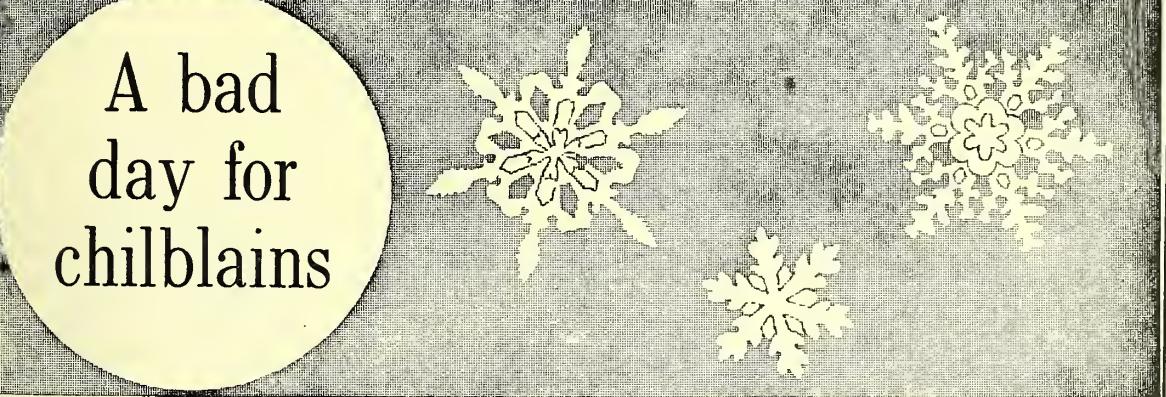


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(continued overleaf)

A bad day for chilblains



Excellent subjects for companion sales—Pernivit for oral use and Pernicream for topical application.

**'PERNIVIT' TRADE MARK**

Tablets of acetomenaphthone 7 mg.  
and nicotinic acid 25 mg.

TRADE RETAIL

Bottles of 50 tablets 2/- 3/-  
" 500 " 13/- 19/6  
(Exempt Purchase Tax)

**'PERNICREAM'**

incorporating amethocaine, menthol and benzyl alcohol in a non-greasy base.

TRADE RETAIL

Collapsible tubes 1.8 3/-  
(Including Purchase Tax)

**Sales Aids**

PERNIVIT, display cartons for six bottles.

PERNICREAM, display cartons for twelve tubes and a showcard printed in matching colours.

(Bonus Terms on application or from the B.D.H. representative)

THE BRITISH DRUG HOUSES LTD. LONDON, N.1

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## a nose for business!

Month by month during the winter, doctors throughout the country are receiving compelling reminders of ARGOTONE Nasal Drops. Carefully planned publicity in the Medical Press is supporting this lively mailing campaign. Special emphasis is given to the long-standing recognition of the silver salts as the surest, safest treatment for a broad range of nasal infections—and doctors are reminded, too, that ARGOTONE, a favourite among prescribers for many years, is available on Form E.C.10. So here is the promise of still brisker demand for ARGOTONE . . . and now is the time to stock up with ample supplies to meet the 'peak infection' period.

And here is the newest presentation of ARGOTONE . . . a convenient plastic atomizer with genuine 'counter appeal'.

**ARGOTONE 'READY SPRAY'**  
U.K. Retail Price: 4/8d. (inc. tax)—containing approx. 15 c.c.  
ARGOTONE, Trade Price: 34/- (+ 10/2d. P.T.) per doz.  
Also prescribable on Form E.C.10.



## ARGOTONE

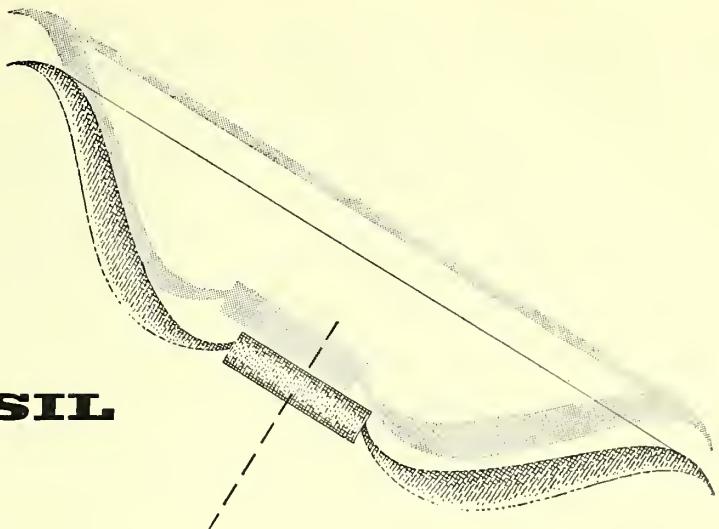
NASAL DROPS

U.K. Retail Price: 4/2d. (inc. tax) per bottle of 20 c.c.

Trade Price: 30/9d. (+ 9/- P.T.) per dozen bottles.

Dispensing Size : Bottle of 4 oz. 11/3d.

RONA LABORATORIES, 12/13 MOLYNEUX ST., LONDON, W.1. Ambassador 4437/8



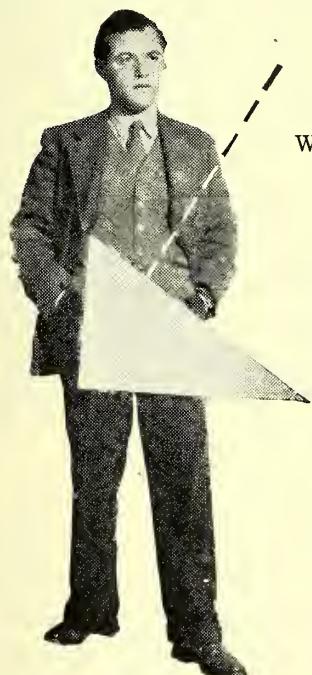
## **UROLUCOSIL**

**For *B. coli***

### **infections of the Urinary Tract**

Urolucosil is a sulphonamide which gives extremely favourable results in the treatment of acute and chronic urinary tract infections, especially in cases of cystitis and pyelitis.

Urolucosil is being brought to the notice of general practitioners and consultants by personal contact, advertising and literature. It is noticeable, that having tried this Warner preparation, doctors prescribe it with confidence.



Packing: 0.1G. tablets supplied to chemists in bottles of 25 and 250, at 2/8 and 21/8 respectively. Urolucosil is an S.IV poison, not subject to Purchase Tax.

*No Warner preparation has ever been advertised to the public.*

**CHESEBROUGH  
MANUFACTURING  
COMPANY LTD.  
AND  
POND'S EXTRACT  
COMPANY LTD.**

announce that, with effect from January 1st, 1956, they became a single united organisation under the name of—

**CHESEBROUGH-POND'S  
LIMITED**

All orders and correspondence should be addressed to—

**CHESEBROUGH-POND'S LIMITED  
PERIVALE, GREENFORD,  
MIDDLESEX**

Telephone No. - - - PERIVALE 4484

We have posted a combined price list effective from January 1st, 1956, to all our direct customers. If you do not receive your copy in the next few days, or if you require further copies, please let us know so that we may send immediately.

# PANORAMA OF PROGRESS



In the broad green acres of the Ransom drug-growing farm at St. Ives, Huntingdon, a relentless quest is constantly pursued. It is a quest for improved strains of medicinal plants, and for still more efficient methods of cultivation. Thus, through unending research and experiment, Ransom's drugs and galenicals symbolize the latest progress in this important branch of the pharmaceutical industry.

Small wonder that, year by year, the world demand for these trusted products continues to grow—calling for steady expansion of the Company's production plant at Hitchin. Unsurpassed in quality and strictly competitive in price, Ransom's drugs and galenicals are unquestionably your *rational* choice.

*Samples and quotations will gladly be sent on request*

EXTRACTS • TINCTURES • ESSENTIAL OILS • RESINS • CHLOROPHYLL

*Actual Growers of*

BELLADONNA • HENBANE • FOXGLOVE • PEPPERMINT • LAVENDER

*Established 1846*



**WILLIAM RANSOM & SON LTD.**

Hitchin      Hertfordshire      England

# KOTEX-NOW

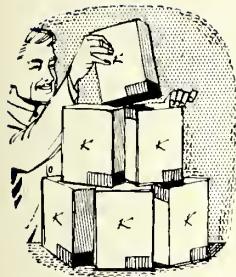


**NEW BOX, TOO...FEMININE...DISCREET**  
will be advertised from March 1956 onwards

# PRE-WRAPPED SAVES YOU TIME, MONEY

The new pearl-grey Kotex box is factory-wrapped in plain brown paper. Just hand a pre-wrapped box of Kotex\* sanitary towels straight to the customer—or let them help themselves. Saves cost of wrapping—saves time for you, assistants, customers.

## UNWRAPPED BOXES FOR DISPLAY IN EVERY CASE



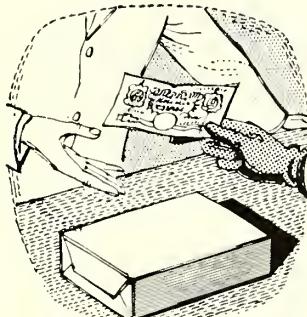
Because the attractive new Kotex box is the essence of good taste and discretion, you can now display Kotex sanitary towels like any other product. For your convenience, one in every four Kotex boxes comes to you unwrapped, ready for sales-making display in your windows and on your shelves and counters.



## PROVED SUCCESS IN THE SHOPS

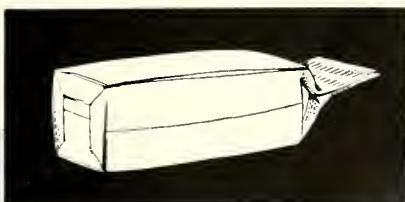
Sales of the new pre-wrapped Kotex have been carefully studied for three months in more than 100 selected shops all over the country.

These retailers report that women were quick to serve themselves with these new, easy-to-buy Kotex packages—proof that women really appreciate the discretion and good taste of this new Kotex service. You, too, will appreciate the ease and convenience of handling factory-wrapped Kotex.



### KOTEX FIVES

*are now packed in a plain, cream-coloured, tailored bag, with a tear-off label.*



## ORDER KOTEX-NOW PRE-WRAPPED FOR YOUR CONVENIENCE

Form E.C. 10

Rawlinson  
(name and initials of patient)  
Age if under fourteen years  
Address The Cedar,  
Horley Crescent  
For use only by  
Pricing Office

*Chemist's Stamp*

**R Elastic Stockings  
2-way stretch**

**In a case like  
this.... dispense  
BURSON**

Burson Stockings, made exclusively on special knitting looms, are the product of ten years' intensive research into the making of surgical stockings.

Always dispense and recommend Burson 2-Way Stretch Hosiery and ensure your customers' complete satisfaction. The quality—finish—colour and durability of Burson Hose make them the first choice of those who appreciate the best. Burson Stockings are fully fashioned and virtually indiscernible in use.

Burson Stockings are advertised in the Medical Journals and in a strong list of National Weekly Newspapers and Women's Magazines.

**DISPENSE BURSON whenever  
2-way stretch elastic or  
Lastex hosiery is prescribed**

★

**AVAILABLE FREE ON REQUEST WITH BURSON STOCKINGS :—**

- Instruction Chart with details for measuring, fitting and exact adjustment to fit and tension.
- Individual Measurements and Order Forms
- Instructions for mending and washing.

**BURSON**  
TWO-WAY STRETCH HOSEY  
IS MADE FROM LASTEX YARN

*Sole Distributors:*—FASSETT & JOHNSON LTD.,  
86, CLERKENWELL ROAD, LONDON, E.C.1



**SANCTIONED ON N.H.S. PRESCRIPTIONS (FORM E.C. 10)**

# **EPHAZONE**

**tablets**

*The rational, symptomatic  
remedy for bronchial spasm in*

## **ASTHMA & BRONCHITIS**

CONTAINING IN  
EACH TABLET:  
Ephedrine  $\frac{1}{2}$  grain  
Theobromine  $\frac{1}{2}$  grain  
Phenazone 1 grain  
Calcium gluconate  $\frac{1}{2}$  grain.

*This preparation is not advertised to the general public.*

## **EPHAZONE LTD**

59 BROOK STREET, LONDON, W.I.  
Telephone: MAYfair 5496

# SUPPOSITORIES

## FOR DISPENSING PURPOSES

THE VERY EASILY REMOVED LABEL, LEAVES  
AN ELEGANT PACKAGE BEARING  
NO PRINTING WHATSOEVER

Supplies can be obtained  
through most wholesalers

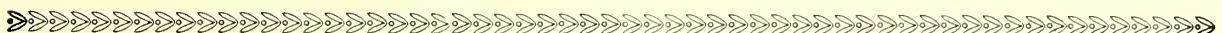
Manufactured  
and Packed in the  
Laboratories of



**RICHARD DANIEL & SON LTD.**  
**MANSFIELD ROAD, DERBY. Tel: 48266 (4 lines)**

**And at GROSVENOR STREET, ASHTON-U-LYNE.**

**Tel: 2816 (3 lines)**



# Southalls

S A N T O W E L S

By improved manufacturing methods Southalls (Birmingham) Ltd. have been able to maintain the low prices to the public introduced on 1st November, 1954.

Due to recent further increases in labour, distribution and fuel charges a small increase in the retail selling prices for our santowels is now necessary and will take effect as from Monday 2nd January, 1956.

\* \* \*

TERMS: Nett monthly account

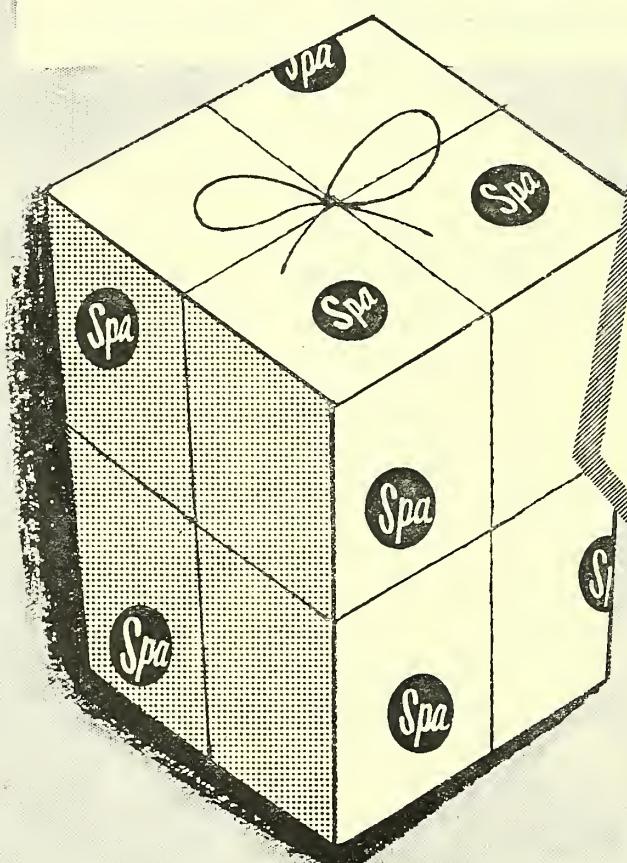
Carriage paid on orders valued £5 or over

New prices have been posted to all our customers

The sizes and new trade prices are:

BLUE STAR		RETAIL (per pkt)		TRADE (doz pkts)		WHITE LILAC		RETAIL (per pkt)		TRADE (doz pkts)	
Size 0 (doz)		1/10		16/11		Standard (doz)		1/11		17/9	
1 "		2/1		19/3		Size 1 (doz)		2/2		20/-	
2 "		2/6		23/1		2 "		2/5		22/4	
1 (½ doz)		1/1		10/-		Standard (½ doz)		1/-		9/3	
<b>ORIGINAL</b>						<b>'K'</b>					
Size 1 (doz)		2/3		20/10		Size 1 (doz)		2/8		24/7	
2 "		2/9		25/5		2 "		3/2		29/3	
3 "		3/3		30/-		<b>TRAVLA</b>					
<b>MATERNITY PADS</b>						Size 1 (doz ctns)		3/6		32/4	
Unsterilized (doz)		4/6		41/7							
Sterilized "		5/9		53/2							

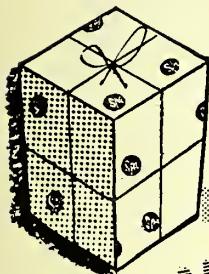
**Spa** give you an  
ADDITIONAL  $7\frac{1}{2}\%$ .  
on this year's  
TOOTHBRUSH sales



**SPA BONUS OFFER**

This parcel of SPA toothbrushes  
costs you £3·12·6  
you sell it for £6·14·0

**YOUR PROFIT £3·1-**



## THIS PARCEL CONTAINS



Because 1 doz are supplied **FREE**

- 2 doz SPA Sparklon Shorthead Toothbrushes No. 4**
- 2 doz SPA Sparklon Spearhead Toothbrushes No. 5**
- 1 doz SPA Bristle Shorthead Toothbrushes No. 4**
- 1 doz SPA Bristle Spearhead Toothbrushes No. 5**

	YOU BUY FOR	YOU SELL FOR
	£ · s · d	£ · s · d
<b>2 doz SPA Sparklon Shorthead Toothbrushes No. 4</b>	<b>1 · 5 · 0</b>	<b>2 · 0 · 0</b>
<b>2 doz SPA Sparklon Spearhead Toothbrushes No. 5</b>	<b>* 12 · 6</b>	<b>2 · 0 · 0</b>
<b>1 doz SPA Bristle Shorthead Toothbrushes No. 4</b>	<b>17 · 6</b>	<b>1 · 7 · 0</b>
<b>1 doz SPA Bristle Spearhead Toothbrushes No. 5</b>	<b>17 · 6</b>	<b>1 · 7 · 0</b>
	<b>3 · 12 · 6</b>	<b>6 · 14 · 0</b>

**£3 · 1 · 6 PROFIT ON £3 · 12 · 6 INVESTED**

**—NEARLY 100% ON COST!**

WHY NOT EARN YOURSELF  
A NEW YEAR PRESENT—  
TAKE ADVANTAGE OF  
**THIS EXTRA DISCOUNT**

2 parcels . . . . .  $2\frac{1}{2}\%$   
3 parcels . . . . . 5%  
4 parcels or more .  $7\frac{1}{2}\%$

Do it Now

If you have not already done so, send your Spa reply-paid order card to Spa Brushes Ltd — or write your wholesaler.

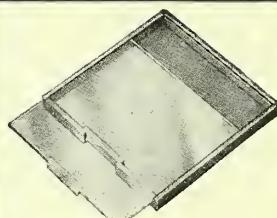
# Off our shelf to **YOURS** — and no tool costs!



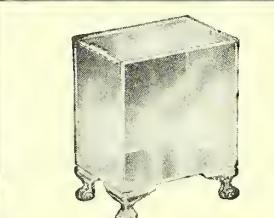
No. 5 size  $2\frac{15}{16}'' \times 2'' \times \frac{3}{16}''$



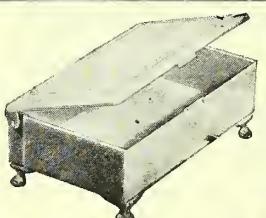
No. 19 size 2" diam. x 1" deep  
(other sizes available).



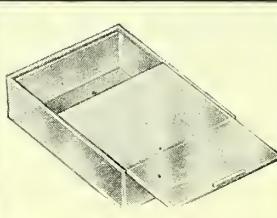
No. 2 size  $1\frac{13}{16}'' \times 1\frac{13}{16}'' \times \frac{5}{32}''$



No. 13 size  $2\frac{1}{2}'' \times 1\frac{11}{16}'' \times 2\frac{1}{2}''$



No. 9 size  $5\frac{3}{4}'' \times 3\frac{7}{16}'' \times 1\frac{5}{16}''$



No. 1 size  $1\frac{11}{16}'' \times 1\frac{1}{4}'' \times \frac{7}{16}''$  in.  
(slide cover) other sizes available



Our boxes can be fitted with a vacuum-formed insert to hold YOUR product such as the CUTEX Nail Polish Set illustrated.



WE PRODUCE the largest stock range of plastic containers in the United Kingdom.

Because the price is right, we supply  $\frac{1}{4}$  million containers weekly giving sales impetus to a wide range of products in the Pharmaceutical Industry.

Send for Free Samples and Brochure showing how most requirements can be met "off the shelf" offering you—

● 40 DESIGNS

● PROMPT DELIVERY

● FROM 1 GROSS UP

● NO TOOL COSTS

If the box you require is not a stock line we will design one exclusively for your purpose.

The Plastic Box Company Limited



Our associated Company, Progressive Inventions Ltd., Market Rasen, will design and quote you for ANY plastics article, either injection moulded or vacuum formed.

MARKET RASEN · LINCS · ENGLAND · TEL: MKT. RASEN 2121

Manufacturers of the case for the Coronation Crown Piece of Her Majesty Queen Elizabeth II.



What's  
the  
secret?

- I**t's HER secret beauty routine that helped to make this the most exciting evening of her life. How would you feel if you were going to your first command performance? Excited? Why, of course - and determined to look your best! Here's how to get a really before your night.
1. Before making up, brush your hair, comb it, and apply a little Yeast-pac. This will help to keep your hair smooth and shiny. Then, after 15 minutes, wash Yeast-pac off with cold water.
  2. Put on your make-up round your head in a gentle loop and then repeat it round the neck. This is the "French" way of applying make-up. It's quick and simple! There's no need to follow this simple plan.
  3. Now, while your bath is running, soak your face in cold water. You'll know when to stop with a refreshing, yet invigorating, Yeast-pac bath. Next, it's time to bathe. Bath salts for extra softness and a skin-tight fit. Choose a fragrance blend with your perfume!
  4. You're washed yourself dry, draped yourself with towels. Now, the time to have fun and play about. In perfect from fashionable models and movie stars, the top model, so be sure to match the star or the girl you're going to see. You can't choose one of the brightest stars. Just go to town with your makeup. Watch what are doing, what your eyes are doing!
  5. During such a night of excitement, it's important to keep your skin clear for your makeup. Foundation powder - see how smoothly they cling to your forehead, chin, nose, and cheeks. You may think that you've got the year, but not too obvious. And remember, makeup - perfume. There's no reason why you look faded, tired! There's a wonderful evening ahead of you!

YEAST-PAC 10d. AND 1/- FOR 1.9d.

### The advertisements



The showcard

## Yeast-pac

has a new look!

- **Striking** advertisements featured in large spaces in She, Everywoman, Modern Woman, Woman and Beauty, etc.
- **Eye-catching** new four-colour showcards to support this arresting campaign.
- **Higher Profits** 15% more profit for you. Yeast-pac has gone up from 10d. to 1/-. Of this increase, an extra penny goes to you.



# 3 world-famous Inecto money spinners

## ★ COLOUR CREME

New and exciting! Rich creme in a tube that conditions as it tints. Easy and pleasant to apply. 3/4 + P.T. Retail 8/-

## ★ INECTO RAPID

Has a 40 year reputation as the world's supreme recolourative. Known and asked for by name. Sells and sells and sells.

2/6 + P.T. Retail 6/-

## ★ FOUR-IN-ONE

As though by magic, lightens, brightens, colours and conditions. May be poured on the hair like a shampoo.

2/6 + P.T. Retail 6/-

Both restore colour permanently to grey and white hair. Complete, in the same 18 natural shades, with Picture Directions.

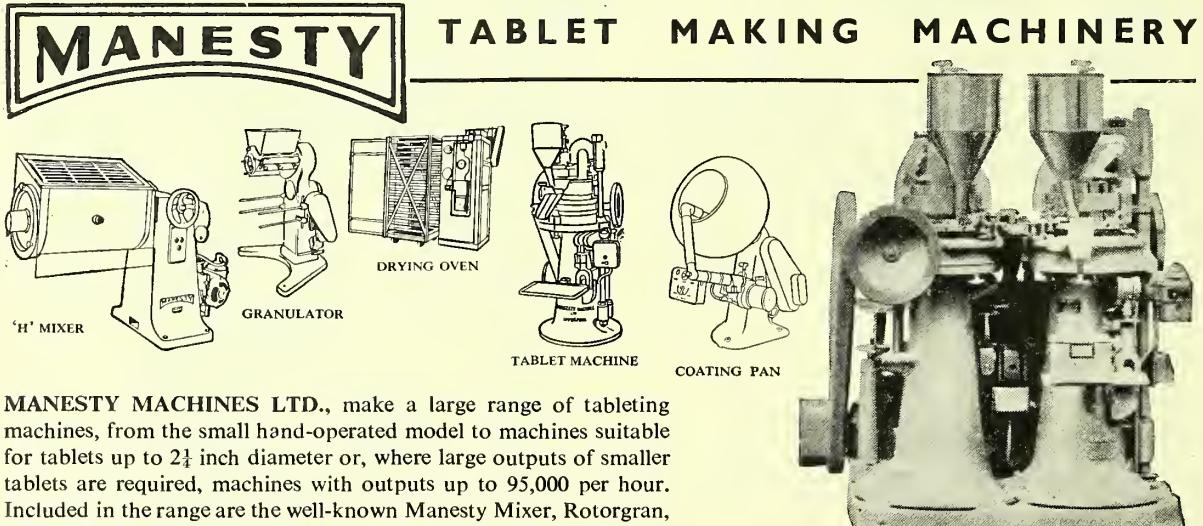
\*Ask for free Shade Indicator.

For hair that is drab or faded or with just that touch of greyness. In 11 lovely shades.

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HYDE PARK 7541 (12 LINES)



MANESTY MACHINES LTD., make a large range of tabletting machines, from the small hand-operated model to machines suitable for tablets up to 2½ inch diameter or, where large outputs of smaller tablets are required, machines with outputs up to 95,000 per hour. Included in the range are the well-known Manesty Mixer, Rotorgran, Coating Pans and Drying Ovens, so that the complete equipment for tablet making can be supplied.

An advisory and experimental service is available.  
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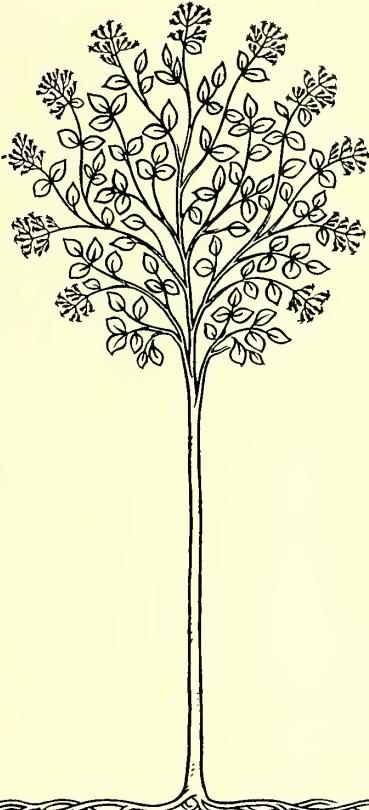
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MAKING and COMPRESSION  
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FOR  
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The revolutionary machine  
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*Manufacturers of Fine Chemicals*



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This modern interpretation of 'the tree of life' is the House Mark of Carnegies of Welwyn Ltd.

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WITH "SEWN-ON" LOOPS AND GREY MOISTURE-PROOF BACK

		Trade Per Dozen Packets	Selling Price Per Packet
No. 0	In packets of 1 doz.	17/7	1/11
No. 1	" "	19/11	2/2
No. 2	" "	23/8	2/7
No. 3	" "	29/10	3/3
No. 4	" "	36/-	3/11



WITH "TIED-ON" LOOPS AND PINK MOISTURE-PROOF BACK

		Trade Per Dozen Packets	Selling Price Per Packet
New X0	In packets of 1 doz.	16/10	1/10
Standard	" "	17/7	1/11
Popular XI/T	" "	19/11	2/2
Standard	In packets of $\frac{1}{2}$ doz.	9/2	1/-

With Patent Detachable "Sewn-on" Loops and  
Pink Moisture-Proof Back

Popular XI/S in packets of 1 doz. 20/8 2/3

**POPULAR SELLING LINES**  
**PROFIT MARGINS MAINTAINED**

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WONDER HOUSEHOLD CLOTH

★ Nationally advertised in leading women's weekly and monthly magazines.

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*NOW* in a new sales compelling pack .



# Sebbix

the shampoo which  
 . . . safeguards hair health  
 highlights hair beauty . . .

All supplies of Sebbix Shampoo leaving our factory after January 2nd will be in this new pack—designed to ensure a dignified yet forceful presentation. Make a special point now of displaying and recommending Sebbix Shampoo to secure profitable and ever increasing repeat business from delighted customers.

#### COUNTER ATTRACTION

Please write or ask our representative for this new eye catching crown—an introduction to a new customer—a reminder to an old one.

*Retail price (bottle sufficient for 6-8 good shampoos) 3/3*

*Trade price 23/- dozen,  
 subject to usual discounts.*



GENATOSAN LTD

Loughborough, Leicestershire

# Something they can trust

The public likes something reliable, something with dependable high quality. A faithful following is the public's response to trustworthy products that give real satisfaction. Such is the popularity of

## CUTICURA SOAP CUTICURA OINTMENT CUTICURA TALCUM POWDER CUTICURA SHAVING STICK

There is a growing circle of discriminating people who appreciate high quality and insist on these soothing, protective, fragrant, mildly medicated Preparations, for care of the skin. Just display one each of these eye-catching firm family favourites in your attractive window, and make sure this steady all-the-year-round business comes your way.

**CUTICURA SOAPS, OINTMENTS AND SHAVING STICKS HAVE ALWAYS CONTAINED CHLOROPHYLL**

321

## Nation-wide *Perihel* advertising Sells more

*Winter lack of SUNSHINE brings more illness*



**DOCTORS PRESCRIBE**  
—vitaminising ultra-violet and deeply penetrating infra-red rays.

**FOR THE OLD**—to relieve pains, particularly Rheumatic, Sciatic and similar conditions.

**FOR THE YOUNG**—to help their bones to grow, through the anti-ricket Vitamin D.

**ACTINEA**  
the Portable Sun

£14.14.0  
(Exempt from Purchase Tax)

FROM YOUR CHEMIST OR ELECTRICAL DEALER

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**FROM OCTOBER until the end of MARCH**  
you will see our largest-ever Advertising season in **NATIONAL NEWSPAPERS** and **MAGAZINES**

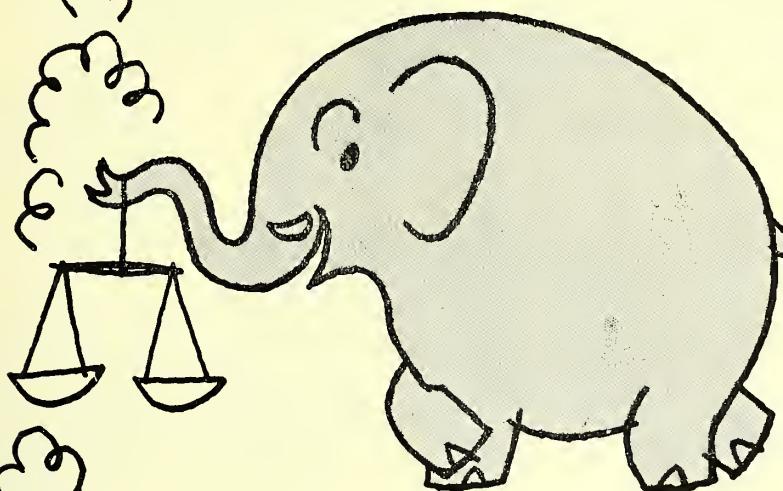
We have also set aside a very considerable sum to spend in local newspapers in conjunction with our Stockists. Tell us the paper of your choice, the dates you propose and we will instruct our Advertising Agents to book the space (all 6" double column), supply all blocks and copy (free to you) and we shall charge you

**WITH ONLY HALF THE COST  
OF THE  
ADVERTISING SPACE**

Window Display Material available  
GENERAL TRADE DISCOUNTS

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WEST MALL WORKS, 27/29 RABBIT ROW, LONDON, W.8  
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**NEVER FORGET . . .**



THERE ARE 3  
GOOD REASONS WHY...

*an 'ASPRO' display makes  
that small space pay*

**REASON NUMBER ONE:**

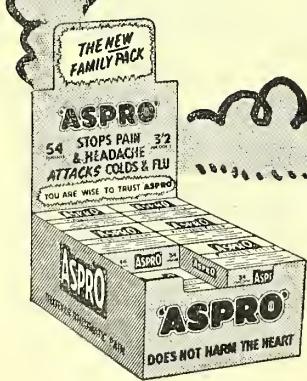
# BIGGEST FIELD

ANALGESICS

are the biggest-selling  
product field

in the medicinal group

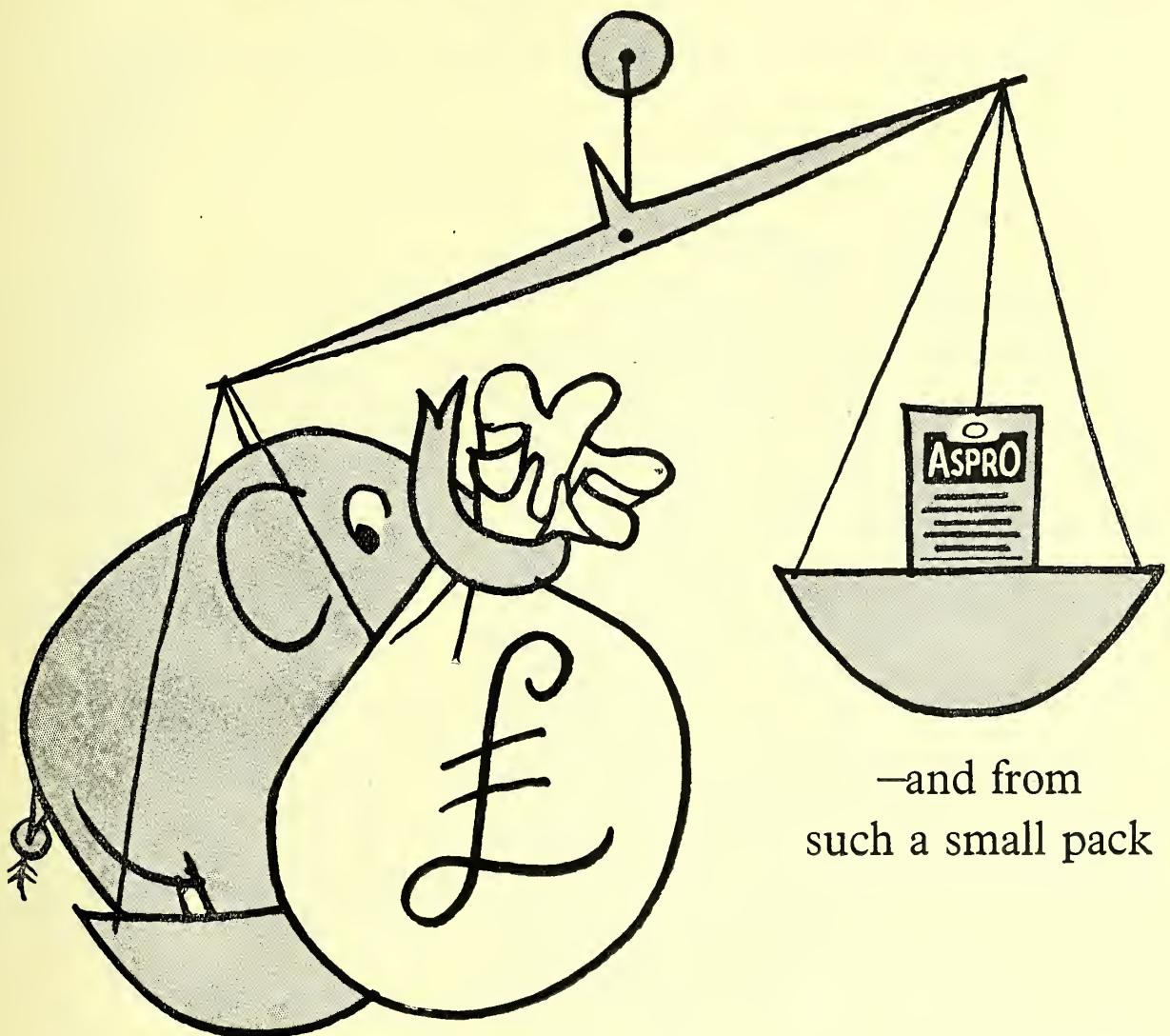
'ASPRO' is the  
best known ANALGESIC



*so an 'ASPRO' display makes that small space pay→*

REASON NUMBER TWO:

# BIGGEST PROFIT



—and from  
such a small pack

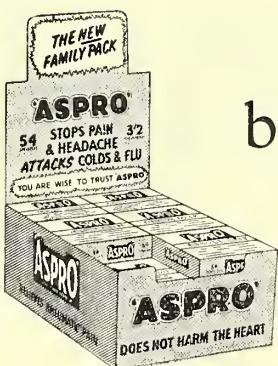
‘ASPRO’ gives you the biggest profit  
margin of all analgesics



so an ‘ASPRO’ display makes that small space pay→

REASON NUMBER THREE:

# BIGGEST ADVERTISING



brings "Mammoth" turnover

so an 'ASPRO' display makes that small space pay→

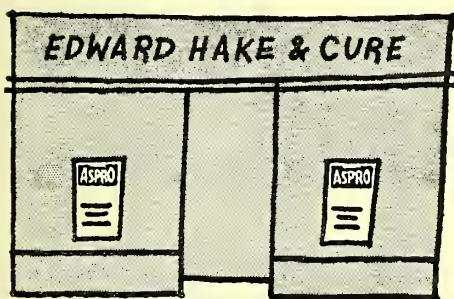
**AND REMEMBER—**

**An 'ASPRO' display pays twice over  
—in bigger turnover and profit,  
and in the 'ASPRO' DISPLAY BONUS\***

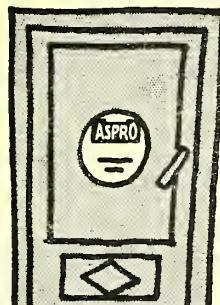
**\* BONUS TERMS**

- 6 packets of 27's on each 3 doz. showbox, value 10/3d.
- 4 packets of 54's on each 2 doz. showbox, value 12/8d.
- 6 tapes of 5's on each 6 doz. showbox, value 2/6d.

**Make your Display spaces pay...**



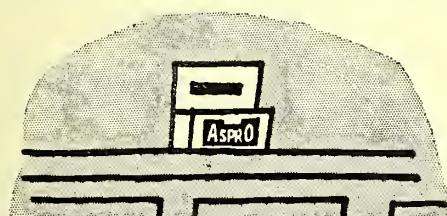
in the windows



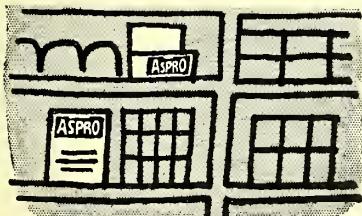
on the door



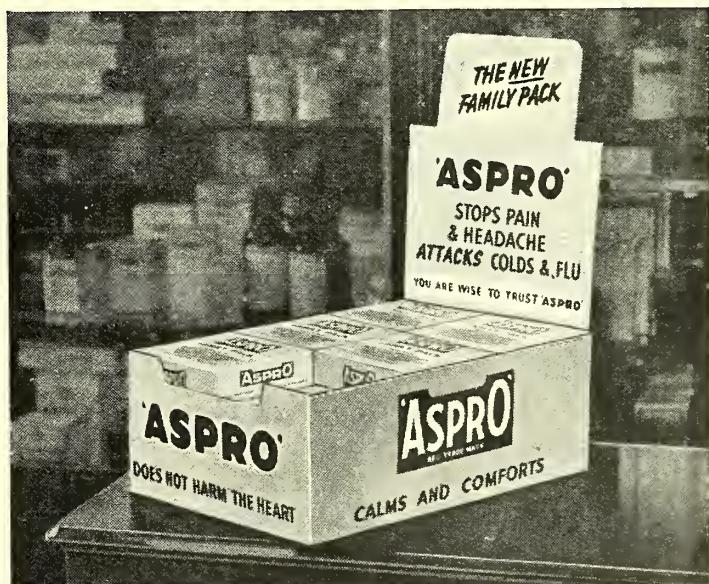
on the till



on the counter



and on the shelves

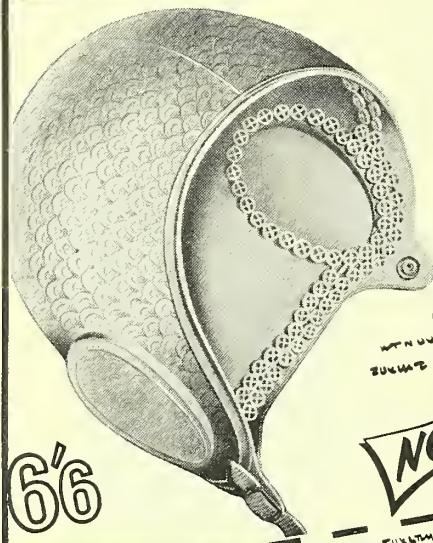


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**Over 11 million people  
will see this HALF PAGE  
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# Submarine **TRIDENT**

THE MOST Comfortable SWIMMING CAP  
EVER PRODUCED



6/-

NOW you can Enjoy  
wearing your swimming cap

OFFER

SIZE



Submarine 6/-  
**SKELETON**

...appearing in the

## DAILY EXPRESS

Our campaign this year is centred round this half-page advertisement, appearing on May 12th—a date especially chosen to give a clear week before the Whitsun holiday, the biggest buying week of the year for swimming caps.

We have had a great many "where can I obtain" letters in response to our previous much smaller advertising campaigns. There is no doubt of the demand to come. Cut-out display stands which show actual cap with every order.

#### SIZES :

Small/Medium	21"/22"	Head
Medium/Large	22"/23"	"
Junior	19"/20"	"

#### COLOURS :

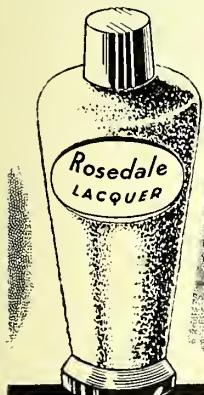
White, black, red, saxe, pink,  
sky, yellow, apple.

Send us your card or bill head pinned to this page for a representative to call.

**W. W. HAFFENDEN LTD., RICHBOROUGH RUBBER WORKS, SANDWICH, KENT**  
Telephone: Sandwich 3381/2

ROSEDALE

**"LACQUER"**  
*the finishing touch*



The finest lacquer  
and easy to use...  
at a price within  
reach of all

**RETAIL 3/6**  
**REFILLS 2/3 each**

Obtainable from all leading  
wholesalers  
or direct  
from  
Rosedale  
Products Ltd

**ROSEDALE** PRODUCTS  
LIMITED.

ROSEDALE WORKS, BIRKBECK RD., DALSTON, E.8.

**now is the time to  
fix up an agency for**

**Bees RENOWNED SEEDS**  
*best seller among seeds*



- On sale or return—you pay only for what you sell.
- Millions of packets sold every season.
- Weekly advertisements appear in all national papers during season.
- High class pictorial packets to retail at 2d., 4d. and 1/-.
- A household name wherever there's a garden.

**PIN THIS**  
*Advertisement to your note-head*

**FOR AGENCY TERMS**

**BEES LTD.** AGENCY DEPT. 28  
MILL ST., LIVERPOOL



high quality extra comfort



THE HOSEZENE CO. LTD., NOTTINGHAM

"Sweetheart"

"Drinkrite"

**DRINKING STRAWS**

special SMALL PACKS of 50 and 100 straws.  
Order now and INSIST on these brands for QUALITY.

HYGIENIC DRINKING STRAWS CO. LTD.,  
College Road, Fishponds, Bristol

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By WILLIAM HETHERINGTON, F.P.S.

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Provides detailed information about the range of ethical proprietaries now on the market. Each product is dealt with in a monograph which gives the name, poison schedule if any, name of manufacturers or distributors, composition, form in which it is presented, therapeutic indications, dosage, method of administration, contra-indications, and the packaging.

Some 2,500 monographs, which are arranged in alphabetical order, comprise the major part of the book, but other sections include a therapeutic index, notes on international units and standard values, a guide to the monographs, lists of approved names, and names, addresses, and telegraphic addresses of manufacturers and distributors, and finally, an appendix of monographs too recent to be included alphabetically in the text.

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**BURNSIDE'S EUCALYPTUS OILS**

Distilled in Australia from Eucalyptus leaves in accordance with the B.P. specification. W. K. Burnside Pty., Ltd., Melbourne, Australia offer:—

80/85% Rectified B.P.      Eucalyptol B.P.      70/75% Rectified B.P.

Oil Eucalyptus Dives 40/45%      Oil Eucalyptus Dives 90/95%

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Oil Eucalyptus Phellandra—Phellandrene

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(WHOLESALE ONLY)

Grams: WYFIELD, LONDON

# 'Benzedrine' Inhaler

The Original Inhaler  
and the most reliable

Its high standard of accuracy will appeal to your customers no less than to you.

For convenient relief of nasal congestion with a volatile vasoconstrictor there is no substitute for 'Benzedrine' Inhaler.

Available to you at 13 for the price of 12, in handy display packs.

Note the new retail price of 2/6, giving a profit margin of 33½%.

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for Smith Kline & French International Co., owner of the trade mark 'Benzedrine'

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B.P.C. QUALITY COTTON WOOLS

HOSPITAL QUALITY COTTON WOOL  
(Drug Tariff)

Sterilised and Unsterilised in all weights, for Home and Export.

Quantities labelled with your own labels.

\*COTTON WOOL DISPENSER  
(Pleated filling. Attractive Pack)

BOTTLE NECK WOOL, FILTER PADS  
WOOL AND COTTON TISSUE B.P.C. Quality  
RESPIRATOR REFILLS  
KNITTED BANDAGES

## Packing Materials

### NEEDLELOOM FELTS

for thermal, sound and vibration insulation and protection

### Cotton Wools

Bleached and Unbleached Rolls from 2 in. to 40 in. wide, weights 3 oz. per sq. yd. upwards.

*\*Only as much as is needed is pulled out at a time!*

### Illmond Cotton Wool Dispenser Pack

Package has tuck-in ends and can be resealed. Hygiene ensured. Elegant design of pack makes it perfect for a lady's dressing table.

**E. ILLINGWORTH & CO. (BRADFORD) LTD.**

Shelf Mills, Shelf, Halifax

Tel: Low Moor 400/4

Groms: "Illmond" Bradford



# THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland

Volume 165 January 7, 1956 No. 3959

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Phone: Midland 2921

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ANNUAL SUBSCRIPTION, which includes The Chemist and Druggist Diary and Year Book, £2. Single copies one shilling each.

## WRIGHT'S COAL TAR INHALER & VAPORIZER

*Ample Supplies are available NOW!*



*Complies with the specifications set out in part IV of the N.H.S. Drug Tariff.*

Complete with full size bottle of Vaporizing Liquid,  
and six night lights. *Retail ... ... ... 7/5*

Vaporizing Liquid Refills. *Retail ... 1/9 & 5/4*

Spare absorbent blocks. *Retail ... ... 1/- each*



*Obtainable from all Wholesalers, or direct from*

**WRIGHT LAYMAN & UMNEY LTD., SOUTHWARK STREET, LONDON, S.E.1**

### NEW ANTIDEPRESSIVE

# Ritalin

(phenyl-( $\alpha$ -piperidyl)-acetic acid methyl ester hydrochloride)

AN ENTIRELY NEW CENTRAL STIMULANT FOR

GENERAL DEBILITY • MENTAL AND PHYSICAL FATIGUE

POST-INFLUENZAL DEPRESSION • CONVALESCENCE

NOT AN AMPHETAMINE DERIVATIVE • NO PRESSOR ACTIVITY

DOES NOT IMPAIR APPETITE NOR PRODUCE AGITATION

Available in tablets of 10 mg. in bottles of 25 (3/6d.), 100 (11/9d.) and 500 (55/-).

Exclusive of Purchase Tax. Subject to the usual discounts.

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# The CHEMIST AND DRUGGIST



Volume 165

JANUARY 7, 1956

No. 3959

## Dentists' Drugs REVISED LIST AND NEW FORMULARY

REGULATIONS have been made revising as from December 31, 1955, the list of drugs which may be dispensed by dentists under the National Health Service.

THE main changes are as follows:—

### DELETIONS

Collutorium acidi tannici, B.P.C.  
Collutorium thymolis co., B.P.C.  
Liquor azorubri, B.P.C.  
Mist. magnesii sulphatis alba, B.P.C.

### ADDITIONS

Glycerinum boracis, B.P.C.  
Mist. magnesii sulphatis, B.P.C.

The barbiturates that may be prescribed are now as follows:—Tablets or capsules of any single barbiturate (that is, unadmixed with any other barbiturate or other drug) included in the Dental Practitioners' Formulary for the time being. Penicillin preparations that may be prescribed are:—Injections of procaine benzylpenicillin, whether or not containing benzylpenicillin; penicillin injection, B.P.; penicillin lozenges, B.P.; penicillin tablets, B.P. Sulphonamides that may be prescribed are:—Tablets of any sulphonamide or mixture of sulphonamides included in the Dental Practitioners' Formulary for the time being.

The Regulations are the National Health Service (General Dental Services) Amendment (No. 2) Regulations, 1955, S.I., 1955, No. 1890. Copies are obtainable from H.M. Stationery Office, price fourpence.

A new edition of the Dental Practitioners' Formulary was published on December 31, 1955.

Certain formulas in the new edition do not appear in the National Formulary. The Joint Formulary Committee has prepared a 1-p. supplement to the National Formulary incorporating those formulas. The supplement is being sent to chemist contractors in due course.

## Accidental Poisonings

### CAUTIONARY LABEL RECOMMENDED

AT a meeting of the General Medical Services Committee of the British Medical Association on December 15, a suggestion that chemists and doctors should be asked to label containers of drugs and medicines "Please keep this medicine in a safe place out of the reach of children" was approved by the Committee, and it was agreed that it should be referred to the Pharmaceutical Society. The Committee's attention was drawn to the anxiety being felt by the Ministry of Health at the steeply rising cost of prescribing. It was suggested that copies of Pre-

scribers' Notes should be supplied to assistants, and that medical students should be instructed early in their career on the practical aspects of prescribing in the National Health Service. DR. H. C. FAULKNER asked the committee to consider a resolution of the Medical Practitioners Union that plain bottles and boxes should be used for the dispensing of proprietary medicines. There was a tendency, he said, for patients to get an unhealthy attachment to proprietaries, and they pressed their doctors to repeat them, or would buy them without prescription and without the doctor knowing. It was agreed to refer the matter to the appropriate bodies.

## Research Aided

### £163,000 WELLCOME TRUST GRANTS

GRANTS totalling £163,000 for research buildings and equipment have been made by The Wellcome Trust including one of £30,000 to the Royal College of Obstetricians and Gynaecologists (see *C. & D.*, December 3, 1955, p. 623). Other benefactions by the Trust are:—

£60,000 to the Strangeways research laboratory, Cambridge, for the cost of building and equipping a new wing to be used mainly for studies in the biochemistry of tissue growth; £25,000 (£5,000 per annum for five years) to the Medical Research Council as a contribution to the cost of an investigation of trachoma to be carried out in Jordan and London; £15,000 to provide a high-resolution nuclear magnetic resonance spectrometer for use by Professor Sir Alexander Todd

and his colleagues in the department of chemistry, University of Cambridge, to study the arrangements of the atoms within molecules of substances of biological interest. In addition, the trustees have allocated up to £33,000 for the purchase of three electron microscopes for indefinite loan respectively to the Medical Research Council (for use initially in the department of biophysics, University College, London), to the physiological laboratory, University of Cambridge, and to the department of human anatomy, University of Oxford.

The spectrometer being provided for the use of Professor Todd and his colleagues will be the first of its kind to reach Britain. Only one other such apparatus is believed to be at present in use in Europe.

## Future of Pharmacy

### SPECIAL UNIVERSITY LECTURES

"THE Future of Pharmacy in Relation to World Needs" is the subject of two special London University lectures being given by Sir Harold Hartley, K.C.V.O., C.B.E., M.C., M.A., F.R.S., at the London School of Hygiene and Tropical Medicine, Keppel Street, Gower Street, London, W.C.1, at 5.30 p.m. on March 7 and 15. At the first lecture the chair is being taken by Professor H. Berry, B.Sc., F.R.I.C. (professor of pharmaceutics, London University). Admission is free, without ticket.

## Symposium on Antibiotics

### WARNING AGAINST INDISCRIMINATE USE

THE January issue of the *Practitioner* contains a symposium on the ten antibiotics in common use, streptomycin and dihydrostreptomycin, chloramphenicol, chlortetracycline, oxytetracycline, tetracycline, erythromycin, neomycin, polymyxin and bacitracin. While defining the clinical indications and uses of those antibiotics, all the papers draw attention to their various toxic side-effects and issue a warning to doctors against their indiscriminate use.



**BURMESE STUDENTS ENTERTAINED :** Mr. Ian Ferguson (chairman and managing director of Evans Medical Supplies, Ltd., Speke, Liverpool, 19) was host at a dinner party in Liverpool recently for the Burmese pharmaceutical students at present training in the country, as well as the Burmans in training at the company's works.

## Examination Results

### ENGLAND, WALES, AND SCOTLAND

THE following candidates satisfied the examiners in the Intermediate examination held by the Pharmaceutical Society in England and Wales in December 1955:—

BAILEY, W. A., Bristol; BLISS, H. D., Willesden, London; BRADBURY, J. C., Glossop; BURDETT, Mary, Peterborough; CARSON, J., Willesden Green, London; CHOW, F. S. F., Hong Kong; CLARKE, B. J., Kettering; COCKER, W. F., Bolton; CONPOCK, Sylvia M., Crowthorne; DAVIES, R. P., Merioneth; EDWARDS, S. A. W., Colwyn Bay; EVANS, Stella C., Swanscombe; FLETCHER, Patricia A., Allestree; FLOOD, Margaret A., Southampton; GOWER, A. G., Brighton; HARVEY, K. E., Nottingham; HUNT, Muriel F., Preston; JAFFER, N. I. M., Marble Arch, London; JENKINS, J. D., Leeds; LEIVERS, B., Ilkeston; LI SAW-HEE, A.-K., Holborn, London; LOCH, J. M., Ormskirk; MASON, D. P., Bolton; MOAKES, D. M., Earlswood; MYERS, M., Regents Park, London; OSBORNE, Janet M., Iver; OTTAWAY, A. R., Macclesfield; PERRIN, J. H., Shalford; PIDD, J. D., Northampton; PURCELL, Ann, Polegate; REGE, G. V., Brighton; ROEDEL, M. C. M., Sheffield; RYAN, Honora, B. M., Newport; RYDER, W., Roby; SAUNDERS, Glory, Plymouth; STONADGE, A. H., Southampton; TACK, Noreila L., Bath; TAPLIN, J., Gillingham; THOMPSON, Patricia A., Wolverhampton; TOOTILL, M. R., Woodford Green; WALSH, E. G., Liverpool; WEAVER, E. D., Street; WILD, J. G., Carlton; WILKES, Maureen, Walsall; WILLIAMS, Gwyneth A., Dolgellau; WILLIAMS, J. M., Brecon; WILLIAMSON, Mary J., Doncaster.

The following candidates satisfied the examiners in the Intermediate examination held in Scotland in December 1955:—

BROWN, R., Wheatley Hill; CAINE, R., Isle of Man; DAVIS, G. A., Glasgow; GOUGH, Mary V., Leadgate; GRIFFITHS, C., Middlesbrough; GRIFFITHS, P. J., Rhuddlan; HATT, Barbara M. C., Banbury; HEPBURN, D. J., Morpeth; IRWIN, Ruth E., Stenhousemuir; MACKAY, I. P. G., Newcastle-on-Tyne; ROBERTS, Gwynfor, Llanrwst; SMITH, Julia, Market Harborough; SPEARMAN, T. V., Newcastle-on-Tyne; THOM, Miriam, Newcastle-on-Tyne; WATSON, M. A., Leeds.

## Royal Warrant Holders

### 1956 LIST PUBLISHED

INCLUDED in the full list of royal warrant holders published as a supplement to *The London Gazette* on December 30, 1955, are the following:—

To the Queen, ALLEN & NEALE (CHEMISTS), LTD., King's Lynn; JOSEPH BENTLEY, LTD., Barrow-on-Humber; BRITISH GLUES & CHEMICALS, LTD., London; COOPER, McDougall & ROBERTSON, LTD., Berkhamsted; DAY & SONS, CREWE, LTD., Crewe; DAY, SON & HEWITT, LTD., London; FISONS, LTD., Felixstowe; WALLACE HEATON, LTD., London; M. L. IRONSIDE, chemist, Ballater; KODAK, LTD., London; A. NELSON & CO., LTD., London, chemists; SAVORY & MOORE, LTD., London, chemists; AIRWICK, LTD., Slough; BOILERINE, LTD., London, manufacturing chemists; BOOTS PURE DRUG CO., LTD., Nottingham (soap); H. BRONNLEY

& CO., LTD., London; WILLIAM BUDDLES & CO., London, chemists; JOSEPH CROSFIELD & SONS, LTD., Warrington; ILFORD, LTD., London; G. B. KENT & SONS, LTD., London; JOHN KNIGHT, LTD., London; LEVER BROTHERS, PORT SUNLIGHT, LTD., Port Sunlight; MACKENZIE & CO. (CHEMISTS), LTD., Edinburgh; A. & F. PEARS, LTD., Isleworth; RECKITT & COLMAN, LTD., Hull; ROBERTS WINDSOR SOAP CO., LTD., Windsor; ROGER & GALLET, Paris (soap); THE SANITAS CO., LTD., London; SCRUBB & CO., LTD., Wimbledon; THAWPIT, LTD., London; THERMOS (1925), LTD., London; THE VINO-LIA CO., LTD., Isleworth; WOOD'S PHARMACY, LTD., Windsor; YARDLEY & CO., LTD., London (soap); THE GENERAL APOTHECARIES CO., LTD., London (veterinary preparations); D. & W. GIBBS, LTD., London; JEYES' SANITARY COMPOUNDS, LTD., Chigwell.

To the late King George VI, HORLICKS, LTD., Slough; A. WANDER, LTD., London (Ovaltine).

To the late King George V, BEKEN & SON, Cowes, chemists and druggists.

To the late Queen Mary, SAVORY & MOORE, LTD., London; YARDLEY & CO., LTD., London, perfumers.

To Queen Elizabeth the Queen Mother, D. R. HARRIS & CO., LTD., London, chemists; WALLACE HEATON, LTD., London; SAVORY & MOORE, LTD., London.

To the Duke of Edinburgh, WALLACE HEATON, LTD., London; PENHALIGON'S, LTD., London (toilet requisites); SAVORY & MOORE, LTD., London.

To the Duke of Windsor when Prince of Wales, CHARLES GILLING, Sunningdale, chemist.

## Industrial Packaging

### LECTURES IN MANCHESTER

A COURSE of eleven lectures on Packaging in Industry is being held in conjunction with the Institute of Packaging at the Manchester Municipal College of Technology on Wednesdays commencing on January 11. The course is intended primarily for executives directly interested in packaging and time is being allowed for discussion after each lecture. The lectures will, where applicable, cover manufacture, types, testing, usage, comparative strengths, moisture and vapour resistance, storage, etc. The subjects covered are:—Introduction to packaging; paper; paperboard containers; fibreboard containers; films; foils; corrosion prevention; adhesives; printing on paper, film and foil; printing on metal; paper sacks; jute sacks; timber for packaging; timber case construction; plywood boxes; metal drums; tin boxes; glass containers; and package testing. The fee for the course is £3. Those wishing to enrol should apply to the registrar, College of Technology, Sackville Street, Manchester, 1, as soon as possible.

## Monopolies Commission

### CHANGING THE WORD "COLLUSIVE"

THE Board of Trade has informed the Monopolies and Restrictive Practices Commission that the title of the Requirement under Section 15 of the Monopolies and Restrictive Practices

(Inquiry and Control) Act, 1948, which was announced on November 2, 1955, is to be changed from "Common Prices and Collusive Tendering" to "Common Prices and Agreed Tendering" to avoid any misconception of the meaning of "collusive."

## Key Industry Duty

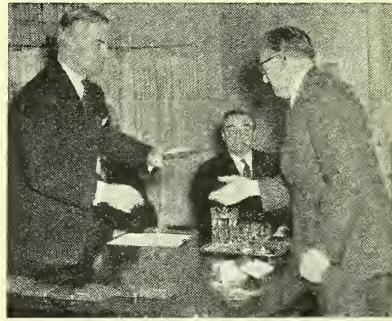
### TWO CHEMICALS EXEMPTED

SEBACIC acid and molybdenum of a purity of not less than 99.8 per cent, in the form of rods of not less than 54 in. and not more than 56 in. in length and of not less than 1½ in. and not more than 1¾ in. in diameter are exempted from Key Industry Duty for the period December 31, 1955 to February 18 under an Order published as Statutory Instrument 1955, No. 1935.

## Long-service Awards

### EIGHT PHARMACIST RECIPIENTS

OF forty-six employees of Savory & Moore, Ltd., who were presented with gold watches on December 8, 1955, in recognition of long-service records (twenty-five years or more), eight were



Mr. M. H. Roots (right) receives a gold watch from Mr. R. W. V. Neathercoat (chairman, Savory & Moore, Ltd.). Seated is Mr. W. L. H. Chapman (a director of the company).

pharmacists. They were Messrs. V. C. Cooter, M.P.S., L. A. Hatley, M.P.S., A. J. Holloway, M.P.S., G. H. Hulme, M.P.S., W. D. Hunter, M.P.S., M. H. Roots, M.P.S., F. H. Shaw, M.P.S., and F. K. Tuck, M.P.S. Among the ninety present was Mr. A. Lennox-Boyd (Secretary of State for the Colonies and a former director of Savory & Moore, Ltd.). Mr. R. W. V. Neathercoat



Left to right, Messrs. H. F. Stapley (assistant managing director); R. W. V. Neathercoat (chairman); and Alan Lennox-Boyd (Secretary of State for the Colonies).

(chairman of the company) made the presentations. Mr. H. F. Stapley, M.P.S. (assistant managing director) was also present.

**IRISH NEWS****Annual Dinner****DUBLIN COMPANY ENTERTAINS STAFF**

THE annual staff dinner of Dominic A. Dolan & Co., Ltd., wholesale and manufacturing chemists, Bolton Street, Dublin, was held on December 22, 1955, and was followed by a dance. Guests included Messrs. Dermot Dolan and Brendan Dolan (directors) and their ladies, Dr. and Mrs. Brian Woods, Dr. Seamus Gallen, Messrs. H. G. Smith and T. Carroll. The oldest member of the staff (Mr. Robert Burke), supported by Mr. T. P. Walker, thanked the directors for the hospitality and entertainment provided. Both Mr. Dermot and Mr. Brendan Dolan expressed the company's appreciation of the co-operation and service of all departments throughout the year.

**Drug Plant for Sligo****AMERICAN COMPANY GRANTED LICENCE**

AN American company has been granted by the Eire minister of industry and commerce a manufacturer's licence to produce antibiotics and veterinary medicines. The company proposes to set up in Sligo town a factory that is expected to be in operation within twelve months.

**NEWS IN BRIEF**

A WARNING that camphorated oil had been sold in mistake for castor oil at a chemist's shop in Three Bridges, Sussex, was broadcast by the B.B.C. on January 1.

THE postal information given on p. 383 of THE CHEMIST AND DRUGGIST *Diary and Year Book*, 1956, is in accordance with the new rates that came into force on January 1.

NEW rating valuation lists now open for inspection by the public at places announced by local authorities show that the total rateable value for England and Wales is higher than in April 1955 by 72 per cent.

MANY small shopkeepers will be forced to close down by the new rating assessments claims Mr. D. H. McGregor (secretary, Sutton Coldfield, Warwicks, chamber of trade) in a recent news letter. He urges members to resist the valuations.

THE British Government has agreed to make available to the Government of Grenada up to £3·5 millions towards the cost of the rehabilitation programme made necessary by the recent hurricane, up to £2 millions being available to the Grenada Government as a free grant, and up to £1·5 millions as a loan.

THE Minister of Agriculture, Fisheries and Food has made an Order bringing the Food and Drugs Amendment Act, 1954, into operation on January 1, 1956. The Food and Drugs Act, 1955, came into operation immediately afterwards. It consolidates the Food and Drugs Act, 1938, the Food and Drugs (Milk, Dairies and Artificial Cream) Act, 1950, and the Food and Drugs Amendment Act, 1954.

**TOPICAL REFLECTIONS**

By Xrayser

***Historical and Practical***

The branch meeting held in Edinburgh (p. 734) recently is well described in your heading as a "mixed bag." Two items are of especial interest—one historical and the other practical. Anderson's Scots pills have a long pedigree, and have appeared in many guises, but the basis of the efficacy has always been aloes. One of the offsprings of the original was pil. aloes et myrrh., which was a simplified version of many elaborate and ornate formulas. An earlier recipe which I came across on one occasion was typical of an age which believed in embellishment. Aloes was the principal and effective ingredient, with the addition of juniper berries, senna, burdock seeds, coriander seeds, parsley seeds, caraway, fennel, liquorice, gentian, angelica and aniseed. For good measure, there were also "christal mineral" and saffron, the whole boiled together to the consistence of pills. The other paper of considerable interest was that given by Mr. E. Knott, dealing with incompatibilities in prescriptions presented to chemists in the area of the Edinburgh Branch in the past few months. Apart from the evidence of the art necessary to overcome the difficulties, it is surprising to read of the kind of pharmacy which is still being practised in Scotland. If the prescriptions described are in any way typical, it looks as though the Scottish pharmacist is still earning his higher dispensing fee, and that our colleagues north of the Border are justified in maintaining that, because of differences in prescribing practice, fewer prescriptions can be turned out in a given time.

***Government Changes***

What might almost be described as valedictory statements from two of the Ministers transferred to "pastures new" appeared in your issue of December 24, 1955. Since they came from the Chancellor of the Exchequer and the Minister of Health they each have an interest for the pharmacist. Mr. Butler's statement, before the third reading of the Finance Bill, dealt with purchase tax. He declared that purchase tax must stay, at any rate until the country had got through its present difficulties. Having said so much, he went on to state that it would always be a tax the revenue of which would be vital to the United Kingdom economy. Now that Mr. Butler has passed on the reins of office, we may never know the real purpose of purchase tax. The other ministerial pronouncement came from Mr. Iain Macleod only five days before he became responsible for the Ministry of Labour and National Service. It concerned health centres, and forecast no large expansion of the project in the near future. Mr. Macleod said that the health service could never afford to pull down what was already good in order to put up something that was perhaps only a little better. He stated also that it would not be possible to bring about arbitrarily a change in the local customs and practices of the patients and of the professions who served them. That sounds very sensible, and Mr. R. H. Turton, the new Health Minister, will take office with the words of his predecessor fresh in the minds both of the public and of the professions most concerned.

***The Diary***

The need for a concise yet comprehensive guide to the information required daily in the practice of pharmacy is admirably met by the *C. & D. Diary and Year Book*. Each year sees improvement on previous issues, and those who have contributed to the immense task this year must have a sense of keen satisfaction in a job well done. In your editorial notice of the publication you draw particular attention to the section devoted to the cross index of drug names. This simplification of that section for your subscribers is deceptive, in that few will realise the vast amount of work entailed in making references easy for users of the *Diary*. A perusal of the chemical names of some of the substances makes one thankful for the coining of a word easily remembered. The remainder of the book is of an equally high standard, and the advertisements most artistic.

## NORTHERN IRELAND PHARMACY BILL

### Second reading debate in Senate

DURING the second reading debate on the Pharmacy and Poisons Bill in the Northern Ireland Senate, DR. H. QUIN said that he did not know whether there was existing legislation or not, or whether an amendment to this particular measure would meet the circumstances to which he wished to refer. Modern development of medical science had brought into use various poisons which were new to many people. With the introduction of poisons, not only for household and medical purposes, but in industry and agriculture, the question of risk arose. People became accustomed to seeing the word poison on a bottle or box and did not pay much attention. "The security precautions in practice at present are inadequate," he said. As the result of a survey made in 1952 and 1953 in the Royal Belfast Hospital for Sick Children it had been ascertained that, of 181 children brought to the hospital as a result of accidental poisoning in the home, sixty-three had had to be detained for some time. The poisons were obtained by the child through carelessness — pills and various lotions being left about in the home. He suggested that some directions to the effect that the bottle or box must be kept out of the reach of children would be an added precaution. Dr. Quin said that too often pills and capsules were very attractively coloured and indeed sometimes sweetened. Some bitter compound should be coated on the pill or capsule. He was anxious that public attention should be drawn to that matter, not merely in the interests of the child, who through accidental poisoning was bound to suffer, but—to put it on a more sordid basis—in the interest of economy in the running of the hospitals and in the relief of the waiting lists of patients needing attention.

Dr. Quin said that if necessary the Government should be asked to introduce an amendment to the Pharmacy and Poisons Bill, or, if it could be done, to introduce a regulation which would require greater precautions to be taken by those who were preparing bottles and boxes and labelling them. He thought also that there should be a certain amount of propaganda amongst the mothers of very young children to ensure that they were not subjecting their children to those risks.

MR. MCGILL said that all the powers under the Bill were concentrated in the Ministry of Home Affairs. He could not see any reason why the Minister or the House should adopt the cumbersome procedure of setting up a Board simply to carry out what the Minister of Home Affairs in the last resort could decide himself to carry out. Under the Bill, the Minister had the power, and no doubt would exercise it, to appoint the chairman. He had the power to approve rules which might, if made, override any regulation provided by the Board itself. The Minister reserved to himself the power to grant or refuse a licence which might have been refused

or granted by a local authority. Appeal from the decision of the local authority was to lie, not to the courts, but under the Bill to the Minister. "Why is it necessary to have this Bill at all?" he asked. "Can the Minister not by orders and regulations or through his officials carry out every one of the functions which are set down here at such length for this proposed Poisons Board?"

LIEUTENANT - COLONEL GORDON (Leader of the House), in reply, said the point raised by Senator Quin was one of real difficulty. It was impossible to legislate for all that happened within the four walls of a man's home. When poison was sold it was labelled as such and when it was in medicine for the treatment of human ailments the dosage was stated on the bottle. Accidents to children were chiefly due to people not taking care with medicines labelled with dosages. The Bill was given Royal assent on December 29.

## CHILD POISONING BY DRUGS

### American doctor's report

IN combating the problem of accidental poisonings, especially of children, much can be accomplished by getting the co-operation of the pharmacists in putting a label such as "Keep out of the hands of children" on all potent drugs and agents.

That is one of the recommendations put forward in a report by Dr. Jay M. Arena on "The Problem of Accidental Poisoning in Children" published in the *Journal of the American Medical Association*, December 17, 1955, p. 1537. The report has been adopted by the committee on toxicology of the American Medical Association.

The report says that the solution to the problem is manifold and complex. Four methods are suggested: (1) education, (2) more stringent laws, (3) the establishment of poisons centres, and (4) greater effort by doctors at local level.

On education the report suggests that doctors as well as laymen and parents should be educated to the dangers that household agents may present. Manufacturers of those products must be made aware of the seriousness of the problem and their responsibilities. They should consider the use of distinctive safety containers, better labelling with precautionary statements, and, when indicated, uniformly standardised doses of drugs. For example, the use of a standard strength of gr. 1·25 (75 mgm.) for children's aspirin tablets would be a great step forward in diminishing the incidence of aspirin poisoning. The report states that the Federal Caustic Poison; the Food, Drug and Cosmetic; and the Insecticide, Fungicide and Rodenticide Acts are useful but are far from adequate. It comments that the Federal Food Drug and Cosmetic Act does not require the use of the poison legend on any drug preparation.

Pointing out that products containing more than 5 per cent. methyl salicylate must now be labelled with a warning that use contrary to directions may be dangerous and that the article should be kept out of reach of children, the report suggests that other preparations such as camphorated oil should also be included and so labelled.

It would be hoped that the information pertaining to the type, incidence, treatment, and preventive measures for such poisoning developed in each poisoning control centre could be cor-

related and made available to all other centres and to all other persons involved in a programme of prevention and treatment of poisoning.

Another step forward, suggests the report, would be a concentrated effort by doctors to educate parents to the hazards of poisons and other dangerous substances found in and about the home. That could be done by pointing out corrective measures while making home calls, by distributing—and insisting that mothers should read—child safety booklets, and by using a bulletin board in the surgery to highlight accidents and poisonings that occur in the community each week. It is also advisable to obtain wider public health education through encouragement of community programmes to study the local problems of poisonings and to make available such information through public service media such as newspapers, magazines, radio, films, speeches, and displays.

## IN PARLIAMENT

DR. C. HILL (Postmaster General) told MR. B. JANNER in a written answer on December 7 that a system whereby members of the public could get into touch at once with a doctor in the event of emergency, by such a method as dialling DOC, would be practicable if the doctors in the area arranged a central point to which calls could be made. If that were done the Post Office would co-operate, though a number of technical problems would have to be resolved.

### Poliomyelitis Vaccine

MR. IAIN MACLEOD (Minister of Health) told MR. S. P. VIANT, in a written answer on December 8, that no anti-virus infection vaccine was being used in the National Health Service on contacts with cases of poliomyelitis but some use was being made of gamma globulin derived from human blood plasma.

### Prepacked Soaps

MR. D. WALKER-SMITH (Parliamentary Secretary, Board of Trade) told MRS. J. MANN, in a written answer on December 12, that the marking of prepacked soaps and other detergents with the weight or measure of their contents is one of the recommendations contained in the Report of the Committee on Weights and Measures legislation. That recommendation was under review.

## EUROPEAN CHEMICAL PRODUCTION

### Pharmaceuticals 11 per cent. higher

PRODUCTION in the chemical industry of countries within the Organisation for European Economic Co-operation rose by 15 per cent. in 1954, compared with an increase of 9 per cent. in total industrial production. In the United States chemical production remained stable in 1954, while total industrial production decreased by 8 per cent.

The labour force employed in the chemical industry in 1954 was about 1·4 millions, of which three-quarters were employed in Germany, the United Kingdom, France and Italy. In 1954 investment in the chemical industry in nine countries, Belgium, Luxembourg, France, Germany, Italy, the Netherlands, Norway, Sweden and the United Kingdom, which account for approximately 80 per cent. of total O.E.E.C. chemical production, is estimated at 775 million U.S. dollars. This investment has largely been made in petroleum chemicals, fertilisers, plastics materials and detergents and a large part of the investments has been financed by the industry itself according to a report of the Chemical Products Committee in September and published recently.

### High Productivity of the Industry

The report points out that the level of productivity in this industry is naturally high and that though exact and comparable figures are not available there are indications that much progress has been made in that field during recent years, as is shown by prices for chemicals which have generally remained stable in spite of the rising costs of raw materials, energy and manpower. Over the last decade and more, price indices for chemicals have generally risen much more slowly than price indices for other industrial products. Trade in chemicals expanded in 1954 also. Trade between member countries and their overseas territories increased by 19 per cent., or 4 per cent. more than production.

The report shows that some progress has been made in liberalising trade between O.E.E.C. countries from quantitative restrictions, but it is pointed out that "despite the fairly high global liberalisation percentage, the expected results will not be achieved so long as a solution has not been found to other problems affecting trade, above all customs tariffs."

The salient feature of trade with third countries is a rise of 46 per cent. in imports of chemicals compared with 1953, while exports only rose by 21 per cent. Even so, O.E.E.C. countries were still net exporters of chemicals in 1954, exports exceeding imports by \$900 millions. The value of O.E.E.C. countries' exports of chemicals to third countries in 1954 was about the same as that of U.S. exports of chemicals (\$1,060 millions). According to information available, the report adds, there is reason to believe that the rate of expansion will be similar for 1955.

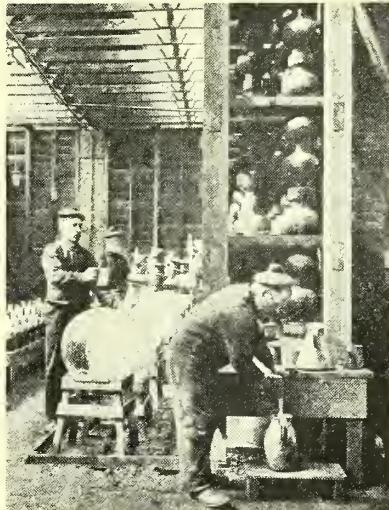
Imports of medicinal and pharmaceutical products accounted for 11 per cent. of the total chemical imports and

exports 13 per cent. of total chemical exports in 1954. In France and the U.K. the value of imports was 60 per cent. greater than in 1953. Production in the pharmaceutical industry continued to expand in almost all countries but increasing competition caused prices of some products, particularly antibiotics, to fall.

## 100 YEARS OF CHEMICAL ENGINEERING

### Sir Ewart Smith's review in "Engineer" centenary number

"THE chemical industry was only beginning to take its present form when *The Engineer* was born a hundred years ago." So writes Sir Ewart Smith, M.A., M.I.Mech.E., M.I.Chem.E. (a deputy chairman of Imperial Chemical Industries, Ltd.) in a review of "Engineering in the Chemical Industry" in a special centenary number of that journal published this week.

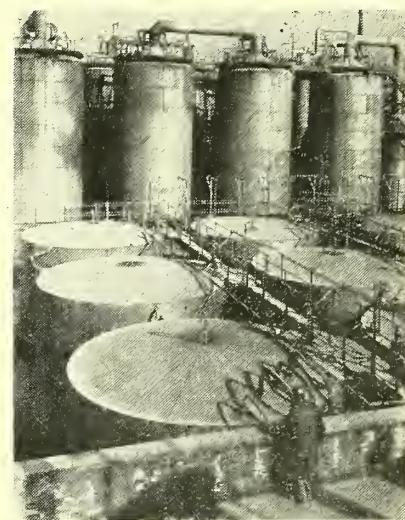


Handling nitric acid at the end of the nineteenth century.

The advance of scientific knowledge shows that engineering and chemistry are closely linked through the basic science of physics, and the rapid rise of chemical engineering is a recognition of that fact. In the chemical industry three basic principles of good engineering—symmetry, simplicity and continuity—have been understood and applied. Many processes would not be economic or even possible on a batch system. In the application of scientific method to every aspect of technical work, to commercial operations and to management in general, the chemical industry has been pre-eminent. Rationalisation and the integration of complementary processes has been an outstanding feature of the industry in modern times. As a result, the industry has shown the highest average percentage increase in yearly output per man in the period 1948-54 (8 per cent. against 4 per cent. for engineering, shipbuilding and electrical goods, 3½ per cent. for iron and steel, etc.). Physics and chemistry are opening up new vistas with atomic energy, and the future possibilities appear boundless.

## N.H.S. ESTIMATES FOR 1956-57

RENFREWSHIRE. — Total, £949,743; pharmaceutical services, £304,886. The original estimate for the pharmaceutical services in the county for 1955-56 were based on the anticipated issue by doctors of 870,000 prescription forms but the first five months' figures show that the total for the year is likely to rise to 887,000 forms (average cost 8s.).



Absorption towers and storage tanks in a modern nitric acid plant.

Sir Ewart's review is one of twenty-six covering every aspect of engineering that are among the contents of a handsome commemoration production of 452 foolscap pages. *The Engineer* was established on January 4, 1856. It celebrates this week, therefore, 100 years of continuous weekly publication. At the time when it was founded there were few periodicals published covering its field. Only one other has survived. *The Engineer* was founded principally to give publicity to the spate of new inventions that were being patented in the fifties of the nineteenth century. Its policy soon changed to that of describing the products of engineering manufacture and of giving space to the publication of technical and theoretical articles contributed by notable engineers of its day. That remains its policy.

In 1929, *The Engineer*, Ltd., amalgamated with Morgan Brothers (Publishers), Ltd. (publishers of *THE CHEMIST AND DRUGGIST*).

Commenting on the centenary of *The Engineer*, in a leading article on January 4, the *Manchester Guardian* said that the practice of engineering entails the application of known tricks to novel circumstances. Stephenson could have built an atomic power station if someone had told him enough about nuclear fission. *The Engineer* deserves praise for having done so much to keep that tradition alive; that its centenary falls just now is fortuitous but none the less exciting.

# HOSPITAL DRUG COSTS

Returns for 1954-55

THE National Health Service Hospital Costing Returns for the year ended March 31, 1955, contain details of the average weekly cost of drugs and dressings per patient during the year in the various types of hospital throughout England and Wales. The returns give a detailed account of the cost per week of maintaining a patient in each type and size of hospital, and list the various items from which the charge is computed. Figures given under the heading "drugs and dressings" include the average costs per patient per week in England and Wales shown in the table in column 2.

The following averages are given for teaching hospitals:—Weekly cost of drugs and dressings, London, £1 11s. 11d., Provinces, £1 7s. 2d.; total weekly maintenance cost, London, £25 6s., Provinces, £20.

It is pointed out that a class by class comparison of costs with those of previous years cannot be made, because a new classification of hospitals, based on a revision of the definitions of types of hospital has been made.

## LEGAL REPORTS

### "King Pin" in Hemp Distribution

DESCRIBED as the "king pin" of an Indian hemp distributing centre, Mrs. Frances Tucker, 33 Hemming Street, Stepney, London, E, was found guilty at the London Sessions recently of possessing a quantity of Indian hemp without authority, and of conspiring to supply it to persons unknown. She was sentenced to two years' imprisonment.

### Shops Acts Fines

AT Hastings magistrates' Court recently, Theaker (Chemist) Ltd., York Buildings, Hastings, were fined £1 on each of two summonses under the Shops Acts. The charges were of failing to close their shop not later than 1 p.m. on two early closing days on October 19 and November 16, 1955. Two summonses relating to the display of notices on those days were dismissed because of doubts whether they had been validly drawn up.

### Barbiturates Without Prescription

AT Pontefract magistrates' court recently, Leon Cawson, Bentcliffe Drive, Leeds, was fined £5 on each of four charges of aiding and abetting sales of sleeping tablets without prescription. Cawson (Chemists), Ltd., Leeds, trading in Station Lane, Featherstone, were fined £5 on each of four similar charges. The company's managing director (Mr. Cawson) was ordered to pay £3 7s. costs. The prosecution alleged that tablets containing butobarbitone had been sold to a thirteen-year-old boy, William Owen, and to Miss Kerney, Sharston. Cawson said he supplied to Owen A.P.C. tablets which did not require a prescription. The tablets cost 1s. 10d. for fifty. When asked to explain why he had charged 8s. for forty-eight tablets, he said it

### Non-teaching Hospitals

Type of hospital	Cost of drugs and dressings	total weekly maintenance cost
(1) Acute over 900 beds	£ s. d.	£ s. d.
301-900 beds	1 1 5	12 19 4
101-300 beds	1 6 11	16 11 10
51-100 beds	1 2 8	16 16 6
1-50 beds	15 4	14 17 9
(2) Mainly acute	16 3	14 18 3
(3) Partly acute	10 9	12 2 9
(4) Mainly long-stay	6 7	10 6 7
(5) Long-stay	2 6	6 19 5
(6) Chronic	2 5	7 4 5
(7) Pre-convalescent	4 5	9 13 0
(8) Convalescent	1 5	7 7 8
(9) Rehabilitation	1 0	7 16 0
(10) Isolation	8 9	20 13 8
(11) Maternity	15 9	18 7 3
(12) Mental illness	1 1	4 16 9
(13) Mental deficiency	7	4 12 1
(14) Orthopaedic	10 5	13 0 6
(15) Tuberculosis and chest	9 1	10 19 1
(16) Tuberculosis, chest and isolation	11 8	14 18 6
(17) Children's (acute)	14 1	16 19 3
(18) Eye	16 7	13 6 5

was "a matter of psychology." The chairman said the magistrates took a serious view of the offences.

### Drug Hidden in Ship

INDIAN hemp to a value stated to be about £100,000 was the subject of a charge at Grays recently, when a member of the crew of the S.S. *Leicestershire*, whose name was given as Peaspaoedin, was charged with bringing into the United Kingdom 21 lb. 14 oz. of Indian hemp without a licence. Peaspaoedin pleaded guilty and was sent to prison for nine months. A police inspector said that twenty-five packages of Indian hemp had been found by Customs officers in the bearings of the ship's propeller shaft. The packets had been inserted in a space at the base of the bearings, and blocks of wood put in and painted to make them look like a fixture.

### Hemp "Bought in Piccadilly"

AT a court martial at Manston, Kent, recently, a coloured American airman was sentenced to three months' hard labour, with forfeiture of all pay and privileges and a dishonourable discharge, on two charges of being in unlawful possession of Indian hemp. The airman, Clarence Lovett, pleaded guilty. He admitted he had been smoking Indian hemp since the age of fourteen, but said he had never attempted to sell the drug or induce others to smoke it. A detective inspector who arrested Lovett said that when arrested he had about 75 gr. of Indian hemp in his possession. Evidence given by a United States Army provost sergeant showed that a search of Lovett's quarters had disclosed a packet containing about 30 gr. of the drug. Lovett said that he had made regular trips to London and bought the drugs from regular contacts, mostly Africans, "around Piccadilly."

## NEW COMPANIES

P.C. = Private Company; R.O. = Registered Office.

G. PATTERSON (CHEMISTS), LTD. (P.C.)—Capital £2,000. Directors: George Patterson, M.P.S., and Evelyn M. Patterson. R.O.: 12 Stockport Road, Cheadle, Ches.

E. C. SLEEP (FAREHAM), LTD. (P.C.)—Capital £1,000. To carry on the business of chemists, etc. Directors: Ernest C. Sleep, M.P.S., and Jessie Sleep. R.O.: 231 London Road, Waterloo.

P. W. SUPPLIES (CHEMISTS), LTD. (P.C.)—Capital £1,000. To carry on the business of wholesale chemists and druggists, etc. Directors: Leslie Jacobs and Eric Snape. R.O.: 67 Lullingdon Garth, London, N.12.

NORMAN DAWSON (CHEMICALS), LTD. (P.C.)—Capital £10,000. To carry on the business of industrial chemists, etc. Directors: Norman Dawson and Dudley F. M. Appleby. R.O.: 66 Wingrove Road, Newcastle-on-Tyne.

D. F. ANSTEAD, LTD. (P.C.)—Capital £2,000. To carry on the business of chemists and druggists, etc. Directors: Douglas F. Anstead, M.P.S., Alison Anstead and Ernest Waxman. R.O.: 99 Victoria Road, Romford, Essex.

DUBERLY & WHITE (WHOLESALE), LTD. (P.C.)—Capital £10,000. To carry on the business of wholesale chemists, oil and colourmen, etc. Directors: Walter White, M.P.S., and Christopher A. White, M.P.S. R.O.: 29 High Town Road, Luton, Beds.

CIROLANUM SUCCESSORS, LTD. (P.C.)—Capital £5,000. To carry on the business of chemical and other analysts, manufacturing chemists and druggists, etc. The first directors are to be appointed by the subscribers. Solicitors: Simpson Curtis & Co., Leeds, 1.

VEPAL (LABORATORIES), LTD. (P.C.)—Capital £100. To carry on the business of manufacturers and sellers of medicines, drugs, etc. Subscribers: Mrs. H. L. Price-Graham and Jack S. Belton. Solicitors: J. F. W. Harrison 88 High Street, Hoddesdon.

HOSPITALAIDS, LTD. (P.C.)—Capital £100. To carry on the business of manufacturers, importers and exporters of and dealers in surgical belts, trusses, dressings, etc. Directors: Elizabeth I. Cooper, Maurice Orbach, Benjamin T. Parkin and Henri L. Turk. R.O.: 3 Clements Inn, London, W.C.2.

CANNON HYGIENIC PRODUCTS, LTD. (P.C.)—Capital £2,000. To acquire the business of a manufacturer and supplier of disinfectants, etc., now carried on by Stanley O. Kennon at Rydal Works, Lancaster Road, Torrisholme, Morecambe. Directors: Stanley O. Kennon and John Kitchen.

### Company News

PIFCO, LTD.—Mr. Bernard Edis (sales manager) has been appointed to the board.

WILSON & MANSFIELD, LTD.—Mr. E. F. Fairbanks Smith has been appointed a director.

## MARRIAGE

CAMERON—MORRISON.—At St. Mark's Church, Oldhall, Paisley, Renfrews, on December 23, 1955, Ian Spiers Cameron to Margaret Isabel Morrison, M.P.S., 13 Dunchurch Road, Oldhall.

## DEATHS

BEATTIE.—On December 10, 1955, Mr. Stewart Miller Beattie, 9 Corbiehill Crescent, Edinburgh, formerly of 7 Roseburn Place, Murrayfield, Edinburgh, aged seventy-two. Mr. Beattie qualified as a chemist and druggist in 1906.

DURRANT.—At a nursing home on December 26, 1955, Mr. George Stuart Durrant, formerly of 3 West Street, Hertford, aged eighty-three. Mr. Durrant qualified as a chemist and druggist in 1897. He was a serving brother of the Order of St. John and a freeman of City of London.

FINLAY.—At 16 Jordan Lane, Edinburgh, on December 29, 1955, Mr. David Finlay, M.P.S. Mr. Finlay qualified in 1934. He was in business with his father, Mr. James Finlay, M.P.S., at 302 Morningside Road, Edinburgh. He is survived by his widow.

HARVEY.—At his home, 38 Langdale Avenue, Mitcham, Surrey, on December 26, 1955, Mr. John Kentish Harvey, M.P.S., aged seventy-six. Mr. Harvey started his apprenticeship in Louth, Lincs, at the age of fourteen. He purchased the pharmacy at St. Mark's Road, Mitcham, in 1904 and carried on business there for fifty-one years until his death. He formed a limited company, J. K. Harvey (Chemists), Ltd., in 1948, and was active as chairman and superintendent until the end. He was present at the pharmacy on December 24. He contributed his reminiscences of fifty years in pharmacy to the C. & D., January 20, 1951, p. 86.

JONES.—On December 2, 1955, Mr. David Thomas Jones, M.P.S., 46 Brewer Street, Golden Square, London, W.1, aged seventy-nine. Mr. Jones acquired in 1927 the pharmacy in Brewer Street in which he was actively engaged until two days before his death. He was elected to the committee of the West London Branch of the Pharmaceutical Society and the Western Pharmacists' Association in 1931. He became secretary in 1933 and chairman and president in 1934. He was appointed treasurer in 1945 and held that office until his death. He was a representative on the executive of the London County Pharmaceutical Association. Mr. Jones was also a former president and captain of the London Chemists' Golfing Society.

LOWE.—Recently, Mr. Francis Stanley Lowe, Brook End, Lower Shipley, Oxon, aged eighty-eight. Mr. Lowe was a director of Cooper, McDougall & Robertson, Ltd., until he retired in 1954.

ROBERTS.—On December 14, 1955, Mr. Henry George Roberts, M.P.S., 273 Woodchurch Road, Birkenhead, Cheshire, aged sixty-six.

SHORE.—On December 18, 1955, Mr. William Leslie Ingram Shore, M.P.S.,

509 Christchurch Road, Boscombe, Hants, aged fifty-three. Mr. Shore qualified in 1927.

WATSON.—At his home in Peaslake, Surrey, on December 29, 1955, Sir Malcolm Watson, M.D., aged eighty-two. Sir Malcolm was an authority on malaria control. He was director of the Ross Institute of Tropical Hygiene, 1933-42. He went to the Federated Malay States in 1901 and soon discovered the origin of crescent malaria, and when in 1904 he extended his researches and preventive measures to the rural areas he discovered the micro-organisms which caused quartan malaria and nephritis. He originated the method of control of malaria by species sanitation and various other naturalistic methods. In 1914 he produced a larvicide for mosquitoes in running water. Later he worked for the Rhodesian mining companies recommending methods of disease control in the copperbelt. He was a member of the council of the British Medical Association, 1928-34, and the Malaria Advisory Board of the Federal Malay States (1911-28).

## BUSINESS CHANGES

ROBAPHARM, LTD., have removed to 44 Welbeck Street, London, W.1 (telephone: Welbeck 9962).

### Appointments

CARNEGIES OF WELWYN, LTD., Welwyn Garden City, have appointed Mr. K. J. Walker, M.P.S., A.R.I.C., their general sales manager.

AYRTON, SAUNDERS & CO., LTD., 34 Hanover Street, Liverpool, 1, have appointed Mr. P. E. Ayre their representative in the Leeds area in succession to Mr. B. H. Huckle, who has retired.

NEATEX PRODUCTS, LTD., Queensferry, North Wales, have appointed Mr. M. Maylor their sales director, Mr. W. Davison their sales manager, and Mr. V. L. Morgan their industrial sales manager.

POTTER & MOORE, LTD., Lavender House, Seymour Road, London, E.10, have appointed Mr. R. P. Goldsbrough, 53 Wharfedale Avenue, Harrogate, Yorks, their representative in the Yorkshire, Northumberland and Durham area.

THOMAS MORSON & SON, LTD., 47 Gray's Inn Road, London, W.C.1, have appointed Mr. L. E. Scott their buyer to succeed Mr. H. J. Olding who has retired after fifty years' service with the company. Messrs. T. W. Smith and E. S. Hopkins have been appointed representatives in the South of England in place of Mr. W. M. Ballantyne who has retired after forty-two years' service.

CORROSION PROOF PRODUCTS, LTD., have opened an office in conjunction with Metal Processes, Ltd., at 758 Kingsbury Road, Erdington, Birmingham, 24 (telephone: Erdington 6111).

## PERSONALITIES

MR. W. SWALLOW, M.P.S. (group chief pharmacist, Chesterfield group of hospitals), who has been receiving treatment in Chesterfield Royal Hospital hopes to be able to return to his duties during January.

## NEW YEAR HONOURS

THE following awards are included in the New Year Honours list published on January 2:—

C.B., Mr. H. H. Davies (chairman, Welsh Board of Health); D.B.E., Mrs. Kathleen Lonsdale (professor of chemistry and head of the department of crystallography, University College, London); C.B.E., Mr. G. Hawley (assistant secretary, Department of Health for Scotland); Mr. H. F. Hodgson (managing director, Joseph Sankey & Sons, Ltd., Bilston, Staffs); Mr. A. S. Parkes (director, division of experimental biology, National Institute for Medical Research); Mr. H. Richardson (principal, Bradford Technical College); Mr. K. M. Smith (director, Virus Research Unit (Agricultural Research Council), Moltene Institute, Cambridge University); O.B.E., Mr. L. R. Armstrong (deputy chairman, British Cellophane, Ltd.); Captain S. H. Hampson (chairman, Salford Executive Council); Mr. T. Hunter (chairman, Renfrew County Executive Council); Mr. A. T. Parsons (former senior principal scientific officer, Government Chemist's Department); Mr. F. H. Perkins (education officer, Imperial Chemical Industries, Ltd.); Mr. H. Whitfield (chief executive officer, Ministry of Health); M.B.E., Mr. A. H. Harvey (senior executive officer, Export Credits Guarantee Department, Board of Trade).

## OVERSEAS VISITS

MR. A. R. W. LOW, M.P., Minister of State, Board of Trade, is visiting Iran, Iraq and the Persian Gulf to get a first-hand view of the Middle East markets. He will study Britain's present export effort and the opportunities for its expansion.

MR. IAN FERGUSSON (chairman and managing director, Evans Medical Supplies, Ltd.), is flying to Rangoon on January 9 and will arrive back in London on January 20. During his visit, Mr. Fergusson will be speaking at the opening ceremony of the temporary production unit of the Burma Pharmaceutical Industry on January 14. The Prime Minister of Burma, and the Minister of Public Works, will be present and the Minister for Health will "cut the tape" before 200 guests.

Mr. Fergusson will also be holding discussions with Burmese ministers and senior government officials, and will be attending a reception arranged in his honour at Kanbawza Palace on January 14.

## INQUEST

**Barbiturate Plus Whisky.** — At a Blackpool inquest on December 19, 1955, a verdict was recorded that Mr. Trevor Treharne Jones (Town Clerk of Blackpool), who was found dead at his home in Newton Drive on December 16, had committed suicide while the balance of his mind was disturbed. It was disclosed that he had taken more than forty capsules of a barbiturate and drunk half a bottle of whisky. The coroner said that the quantity of tablets taken put it beyond reasonable doubt that Mr. Jones took his own life.

## TRADE NOTES

**Seed-time Soon.**—Chemists who contemplate taking up the sale of seeds are invited to write to Bees, Ltd., Agency Department, 28 Mill Street, Liverpool, for agency terms.

**Discontinued.** — Boots Pure Drug Co., Ltd., Station Street, Nottingham, announce that the 40-oz. pack of Neoker (compound mandelic acid granules) is deleted from their lists.

**Available Again.**—Savory & Moore, Ltd., 60 Welbeck Street, London, W.I., announce that Dr. Pierre's dentifrice, for which they held United Kingdom rights before the 1939-45 war, is again available from them.

**End of Sale-or-Return.**—The Crookes Laboratories, Ltd., Park Royal, London, N.W.10, state that the sale-or-return terms on Crookes Personal Blend liquid cream foundation terminated on December 31, 1955. All sales are now on a firm order basis.

**Renamed.** — Kemdex denture cleanser has been renamed Oxydent. Distributors are SCOTT & BOWNE, LTD., 50 Upper Brook Street, London, W.1.—Oatine talcum powder is the new name by which THE OATINE CO., 44 Kennington Lane, London, S.E.11, is identifying Oatine dusting powder.

**Cleaning Cloths.**—Sole distributors in the United Kingdom for the Swedish-made Wettex household cloth, car pack, draining mat and industrial cloth are Wettex (Sales U.K.), Ltd., 137 Regent Street, London, W.1. Wettex is stated to "soak up moisture like a sponge." It is odourless and does not fray or lint.

**In Medical Encyclopaedia.** — The monograph on constipation in the British Encyclopaedia of Medical Practice, Cumulative Supplement, 1955, contains a lengthy reference to Senokot, the standardised senna preparation of Westminster Laboratories, Ltd., Chalcot Road, London, N.W.1. It is described there as "the pleasantest and most reliable form of senna."

**Prices Pegged.** — The Wellcome Foundation, Ltd., 183 Euston Road, London, N.W.1, have issued a statement that they welcome the lead given by the cement and plasterboard manufacturers in undertaking not to increase their prices for six months. The Foundation announce a similar decision in respect of all Burroughs Wellcome products.



Dilacol vasodilator tablets for use in the treatment of the common cold are issued by T. J. Smith & Nephew, Ltd., individually wrapped in carton of twenty-four.

**A Good "Film" Christmas.**—Film and filmstrip sale and hire orders placed with the G.B. Film Library, Perivale, Middlesex, during the Christmas and New Year period have been heavier than in previous years. Hirers' taste shows little change. The most popular films remain cartoons, comedies, "westerns" and seasonal films. Copies of some films have already been requested for Christmas 1956. There has been a considerable increase in film sale figures. The growing popularity of 8-mm. films is shown by the fact that four times as many were sold during the period as in the corresponding period twelve months ago.

**Change of Pack.**—The success Genatosan, Ltd., Loughborough, Leics., have had during the past year with Sebbix shampoo as a product



which combines medical properties with the qualities of a first-class toilet preparation has prompted them to introduce the new pack illustrated, which "combines the dignity necessary for a medical product with maximum display appeal." The pack has been designed in yellow and black (the Genatosan house colours) and is being used to meet all orders received from January 2. It is not proposed to recall stocks of the present pack held by customers.

**National Prize Competition.**—First prize offered by Nicholas Products Laboratories, Slough, Bucks, in a national competition for their product Lifeguard is a £3,000 house built on the user's own ground. Announcements of the competition to the public are being made in the national Press commencing February 13, and the house chosen will be on show at the *Daily Mail* Ideal Home Exhibition in March. Other prizes include forty Hoover washing machines and eighty electric irons. Entrants have to place in order of importance various uses of the product and give a suitable slogan. Each entry must be accompanied by a sealing disc from inside a Lifeguard bottle cap. The stockist who supplies the winner's bottle of Lifeguard to the winner is being awarded a Ford Anglia car. Point-of-sale display material is available.

**Ready-wrapped in Plain Paper.**—Three out of four of the new pearl-grey boxes in which Kotex sanitary towels are being issued are sent out already wrapped in plain brown for



handing to the customer. Kotex "fives" are packed in a plain, cream-coloured bag with tear-off label. The makers are Cellucotton Products, Ltd., Carkers Lane, London, N.W.5.

**Diary Corrections.**—On p. 118 in the Trade Directory the page references 428, 249, 119 and 68 should be set one line lower, thus:

- 428 Greyer, Brecheisen & Co., Ltd.
- 249 Grout & Co., Ltd.
- 119 Groves, O. R., Ltd.
- 68 Guest, Thos., & Co., Ltd.

In the advertisement of Coates & Cooper, Ltd., West Drayton, Middlesex, on p. 40 the special quantity discount terms for Gynomin should be 31s. 6d. per doz. less 12½ per cent.

The following table of hospital salaries should be substituted for the one that appears on p. 384.

### Hospital

Grade	Salary Scale (£ per annum)
Pharmacist ...	500 x three 25's x five 30's to 725.
Sen. Pharmacist	575 x five 30's x two 25's to 775.
Chief (I); deputy chief (IV) ...	625 x seven 30's x one 15 to 850.
Chief (II); deputy chief (V) ...	675 x seven 30's x one 40 to 925.
Chief (III) ...	730 x five 30's x three 40's to 1,000.
Chief (IV) ...	785 x five 30's x three 40's x one 45 to 1,100.
Chief (V) ...	835 x eight 40's x one 45 to 1,200.

### Bonus Offers

ALLCOCK PRODUCTS, LTD., Knowsley Road, Liverpool, 20. Scan ready-to-use eye drops. Extra tube free with every one doz. ordered.

JOHN BELL, HILLS & LUCAS, LTD., Oxford Works, Worsley Bridge Road, London, S.E.26. Lotil. Thirteen to doz. on orders for three doz. or more.

CUPAL, LTD., Blackburn. 12½-15 per cent, on orders for Secto powders, liquid, flycards and sprayers. Separate bonus, as announced on another page

of this issue, on all orders for Secto aerosols placed before April 30.

**SPA BRUSHES, LTD.**, Chesham, Bucks, 7½ per cent. off four parcels, 5 per cent. off three parcels, 2½ per cent. off two parcels, each containing 24 Spa Sparklon shorthead, 24 Sparklon spearhead, 12 Spa bristle shorthead and 12 bristle spearhead tooth-brushes.

### Exhibitions and Fairs

**BRITISH INDUSTRIES FAIR.** Toys, stationery, fancy goods and consumer goods. Earls Court, London, February 22 to March 2. Textiles and clothing (probably), mid-March. Main Fair, Olympia, London, and (engineering) Castle Bromwich, Birmingham, April 23 to May 4.

**CHEMEX (CHEMICAL) EXHIBITION,** May 10-26.

**Daily Mail IDEAL HOME EXHIBITION,** Olympia, London, March 6-31.

**DOMINICAN FREE WORLD FAIR.** Ciudad Trujillo, Dominican Republic. Opened in December 1955; continues until February 27, concurrently with Maria Martinez de Trujillo Book Fair, covering, among other sections, commercial aspects of book trade.

**FACTORY EQUIPMENT EXHIBITION,** London, April 9-14.

**GIFTS AND FANCY GOODS FAIR** (Seventh annual). At Blackpool, February 6-10.

**INTERNATIONAL SPRING FAIRS.** Frankfurt, Germany, March 4-8. Leipzig, Germany, February 26 to March 8. Utrecht, Holland, March 13-22. Vienna, Austria, March 11-18.

**INTERNATIONAL TRADE FAIRS.** Asuncion, Paraguay, March. Brussels, Belgium, March 13 to April 28. Copenhagen, Denmark, March 17-25. Gothenberg, Sweden, May 12-21. Liege, Belgium, April 28 to May 13. Lyons, France, April 7-16. Osaka, Japan, April 8-22. Paris, France, May 5-21.

**MECHANICAL HANDLING EXHIBITION,** May 9-19.

**MEDITERRANEAN FAIR,** Palermo, Sicily, May 25 to June 10.

**MILAN SAMPLES FAIR.** Milan, Italy, April 12-27.

**OIL AND COLOUR CHEMISTS' EIGHTH TECHNICAL EXHIBITION,** London, March 10-22.

**PHYSICAL SOCIETY'S EXHIBITION** (instruments and apparatus), May 14-17.

### PRINT & PUBLICITY

#### Commercial Television

THE following products are being advertised on commercial television (London station) on the days stated:

SUNDAY, January 8: Anadin; Zubes cough lozenges; Loxene medicated shampoo; Max Factor beauty preparations; Kleenex tissue handkerchiefs (between 3 and 3.30 p.m.).

MONDAY, January 9: Carter's little liver pills (between 8 and 10 p.m.); Philishave dry shaver (between 8 and 10 p.m.).

TUESDAY, January 10: Beecham's powders; Bryl-creem (between 7.55 and 10.5 p.m.).

THURSDAY, January 12: Lux toilet soap.

FRIDAY, January 13: Anadin; Beecham's pills (between 10 and 11 p.m.); Kleenex tissue handkerchiefs.

SATURDAY, January 14: Anadin; Lloyd's adrenaline cream (between 2 and 6 p.m.); Benger's food (between 10 and 10.30 p.m.).

### NEW PRODUCTS AND PACKS

**Louping Ill Vaccine.** — Evans Medical Supplies, Ltd., Speke, Liverpool, 19, have added to their range of products louping-ill vaccine concentrated. The vaccine is issued in rubber-capped bottles of 50 mils (representing twenty-five 2-mil concentrated doses).

**For Cracked Fingers.** — John Bell, Hills & Lucas, Ltd., Oxford Works, Worsley Bridge Road, London, S.E.26, have made available a new winter speciality, Lotil, for cracked thumbs and finger tips. Lotil is issued in an enamelled tube enclosed in a carton with a reel of plaster. It is sent out in display outers of 1 doz.

**Diabetic Jellies.** — Nelson Preserving Co., Ltd., Long Lane, Aintree, Liverpool, 9, are marketing a new product for diabetics: Diajel crystal jellies. The jellies, which are in three flavours (orange, lemon and strawberry) are suitable also for persons on slimming diets. They have the approval of the British Diabetic Association.

**Dispensing Packs.** — By authority of the Commissioners of Customs and Excise, Hormones & Chalones, Ltd., Bishop's Cleeve, Cheltenham, Glos., introduced on January 2 tax-free dispensing packs of 100, 500, 1,000 and 2,000 Dynostabs guaiacol succinate co. At the same time the title of the tablets was changed to Dynostabs G. S. Co.

**New Insect-powder Packs.** — Cupal, Ltd., Blackburn, are now issuing Secto DDT powder in an exclusive "press gun" container. They have also introduced a large domestic size, again in press-gun container. For the company's ant, beetle and benzene hexachloride powders the squeeze drum is being retained. Several new products have been introduced, including a "home

**Dispensing Pack Changes.** — Allen & Hanburys, Ltd., Bethnal Green, London, E.2, announce that Bynin Amara is now being supplied in a 2-litre instead of an 80-oz. dispensing bottle. The prices of the product have been increased. Other specialities now issued in the 2-litre pack are Euvalerols A, B and M, Haliborange, and Lixen elixir.

**A New Baby Powder.** — Rexall Drug Co., Ltd., Loughborough, Leics, have added to their range of Tiny-Tot pro-



ducts a new speciality, Tiny-Tot baby powder, supplied exclusively to registered pharmacists. The tin, illustrated above, is in blue, dust pink, white and black.

**Sodium Glycyrrheticine Cream.** — In view of the current interest in glycyrrhetic acid in the treatment of dermatoses, Genatosan, Ltd., Loughborough, Leics, state that they hope shortly to be able to supply hospitals with a dermatological cream containing it. The cream made available by the company will have a content equivalent to 2 per cent. w/w of glycyrrhetic acid.

**A Fat-stored Oestrogen.** — Riker Laboratories, Ltd., Morley Street, Loughborough, Leics, are marketing a new Merrell product, Tace brand chlorotrianisene. Chlorotrianisene is a fat-stored oestrogen first synthesised by the Wm. S. Merrell Co. and claimed to have advantages over other oestrogens, as shown in a long series of tests. It is indicated in the treatment of prostatic carcinoma, menopausal syndrome, suppression of lactation, acne, and other conditions in which oestrogen therapy is applied. The compound differs from conventional oestrogens in that, following oral administration, it is stored in the body fat and released gradually, much like a natural hormone secretion. As the body is unable to metabolise more than a given amount, high dosage is unnecessary. Tace is presented in capsules each containing 12 mgm. chlorotrianisene dissolved in oil.



outfit" containing an 8-oz. tin of Secto liquid with empty, improved plastic squeeze-bottle; a woodworm killer outfit containing an 8-oz. tin of Secto liquid woodworm killer with special plastic pressure injector (the product may be purchased separately and is equally effective as a timber-preserving fluid); and a new Astral aerosol that banishes unwanted odours and kills insects. In addition to the continuous action sprayer, there is now available an inexpensive single-action sprayer. Other new Secto specialities include a garden pest killer in capsule form, with decorated but inexpensive garden syringe.

## BACKGROUND TO BRITISH STANDARDS

### Director explains work of the Institution and makes a suggestion

THE simplified names for organic chemicals used medicinally did not always coincide with those contained in the British Standard for Recommended Common Names for Pest Control Products and it might be necessary to consider devising one set of names for products entering both uses. That was suggested by MR. H. A. R. BINNEY (director of the British Standards Institution) when he addressed an evening meeting of the Pharmaceutical Society held in London on December 12.

Mr. Binney said that in terms of time the British Standards Institution had grown up side by side with the Pharmaceutical Society. While the jubilee of the first British Pharmaceutical Codex was due, he believed, in two years' time, that of the first British Standards—for steel sections and steel rails—was now two years past.

#### Start of Work on Chemicals

The Institution did not begin its work on standards in the chemical field until the twenties and it was not until the supplemental Royal Charter of 1931, which gave the Institution its present name, that it was required to set up divisional councils for specific fields of industry. The Association of British Chemical Manufacturers was largely responsible for that widening of the scope of the Institution's activities. Four Divisional Councils were set up, covering engineering, building, textiles and the chemical industries. The chemical divisional council now covered twenty industry standards committees and well over thirty technical committees considering and preparing standards. Though many of those were of more concern to the industrial than the pharmaceutical chemist, the Institution and the Society had, nevertheless, a wide range of common interests and at present seventeen representatives of the Society sat on over thirty of the Institution's committees.

The British Standards Institution came into existence, and had always remained, said Mr. Binney, a body concerned to promote voluntary standards in the interests of the industries themselves, and of those whom industry served. It "co-ordinated the efforts of producers and users for the improvement, standardisation and simplification of engineering and industrial materials." The Institution had three main sources of finance: (1) Donations and subscriptions from industry; (2) a government grant in aid; and (3) the revenue from sale of its publications and from a number of incidental services concerned mainly with testing and approval. In 1954 the income of about £380,000 was derived almost equally from those three sources.

The General Council of the Institution consisted of representatives of the divisional councils and of nominees of Government departments and of various industrial and other organisations. It appointed an Executive Committee to which it delegated the main responsi-

bility for the work of the Institution.

The Institution recently estimated that if the cost of the industrial, professional or technical time given to the work by committee members could be computed, it would at least equal the Institution's total annual income. The committee system was the hub of the organisation. The technical committees which prepared standards and afterwards remained in being to keep them up to date were set up under the divisional councils. Thus the fine chemical industry standards committee at present supervised eleven technical committees and subcommittees and in 1954 issued seven standards and began work on six more. To serve the committees the Institution had a staff of sixty technical officers, most of them technically qualified in the particular branches of industry they advised and served. The duty of those officers was not only to act as secretaries of the committees for which they worked, and to provide the necessary materials and data for their studies, but also to ensure that all interests who might be concerned with a particular problem were brought in for consultation and so far as possible conflicting views were reconciled so that the specification embodied the maximum amount of agreement.

The Institution provided office space and general services for the preparation of standards. There were now 2,364 technical committees with a membership of about 15,000 and in 1954-55 the reproduction section issued just under seven million pages of draft standards, minutes and other documents, national and international, to the Institution's members.

Since the 1939-45 war the Institution had been pressed more and more to undertake the preparation of standards designed to give the consumer an assurance that what he bought was safe, durable and fit for its purpose. A Women's Advisory Committee on which the more important women's organisations were represented had been set up and an Advisory Council on Standards for Consumer Goods consisting of distributors, publicists and others specially knowledgeable in consumer needs appointed in a personal capacity, had also been formed. There was an export panel to advise on the major policy questions concerning standards affecting the export trade.

#### Standards of Concern to Pharmacists

It might seem at first glance that there were few of the 3,000 or so published standards that were of direct concern to pharmacists, but probably most pharmacists were making daily use of British Standard products. In laboratories they might be using, for instance, ampoules to B.S. 795, incubator, water and oven thermometers to B.S. 619, or sedimentation tubes for red blood corpuscles to B.S. 2554. As basic materials they might use such chemicals as glycerol to B.S. 2625, or any of the twenty or more standards for essential oils and solvents, perhaps

testing those essential oils according to B.S. 2073, or sampling and testing fats and oils to B.S. 627 or 684. Many in shops or laboratories were probably using laminated plastics for all working surfaces to B.S. 2572.

Those were a few examples of the wide range of British Standards.

#### B.P. and B.P.C.

Pharmacy was already well provided for by the British Pharmacopoeia and the British Pharmaceutical Codex. There were other sections of industry where similar considerations applied, but in most industries they did not, and moreover there were many items not only of plant and equipment, but of raw materials—for instance the oils and solvents that he had already mentioned—for which there were several user industries, and agreement between them on a common standard might cheapen the cost of that plant or material to a manufacturer and so to his customers.

Standards developed for many reasons. A particularly interesting example recently arose as a result of discussions between a number of hospital pharmacists and surgeons. As an outcome, the Institution was asked to consider drawing up a standard for colours or colouring agents for ready identification of solutions for injections, and local anaesthetics in hospitals. Such identification methods had been found useful in certain hospitals, but a cogent reason for seeking a standard was that if different hospitals began to use different colours for their particular purposes, staff going from one hospital to another would be liable to confusion and that might end by the selection of the wrong fluid. If that standard could be devised it would, of course, be useful to doctors, nurses and hospital pharmacists.

A new series of standards B.S. 2621-25: 1955 on glycerin and glycerol had just been published. The series specified the properties of five grades of glycerin, sampling and methods of determining glycerol content and many other properties. It served among others, soap manufacturers and makers of toilet preparations, explosives manufacturers and pharmacy. He understood that, partly as a result of pharmaceutical co-operation in the preparation of that standard, the British Pharmacopoeia Commission might revise the present monograph in the British Pharmacopoeia so as to bring it into line with the requirements of B.S. 2625—the standard for chemically pure glycerin—as that grade was of a very high degree of purity.

Other standards with which pharmacists were familiar: pharmaceutical measures (B.S. 1921-22) and boxes (for pills, tablets, etc.) (B.S. 1679), catered for the needs of pharmacy but were provided for by other industries and would not be covered by the British Pharmacopoeia or the Codex. Others, such as the new standards for autoclaves and drying ovens (B.S. 2646 and 2648) concerned particularly

hospital pharmacists and doctors.

A standard was often developed because it was found that haphazard ordering by a large user or number of users had led to wasteful and unnecessary variety in use and it became clear that concentration on the most essential features, and perhaps the testing of one product or quality against another could lead to the elimination of much wasteful complexity in both production and use.

Standards could simplify in a number of ways. For instance, when an order was placed to a particular standard there was no need to specify design requirements, or give descriptions of what was needed.

#### Medical Gas Cylinders

Many pharmacists carried a supply of medical gas cylinders for emergency purposes. A standard published recently for non-interchangeable valves for gas cylinders and anaesthetic apparatus (B.S. 1319) had been devised to prevent the wrong cylinder being accidentally connected to the administration apparatus.

One of the commonest reasons which prompted demands for standards was the existence of a number of users who did not share a common language. That was one reason for the popularity of B.S. 2474 "Recommended Common Names for Chemicals Used in Industry." Other standards served as intermediary between technical producer and non-technical user. It was not easy to measure financially the saving of mental effort and perhaps temper, as well as time and typing involved, particularly for non-technical users when for instance an unpronounceable technical term of twenty-nine letters was reduced (as in one instance at least in B.S. 1831 "Recommended Common Names for Pest Control Products") to a simple disyllable of six. A striking example of a standard that provided a generally accepted method of test which could be used in laboratories or research centres throughout the country with perhaps widely differing resources, was the standard which sets out the technique for determining the Rideal-Walker coefficient of disinfectants (B.S. 541).

The International Organisation for Standardisation was set up in 1946 to co-ordinate the work of the various national standards bodies and it had been much to British advantage to take a leading part in that work. Without international discussion each country's standards might be quite unsuitable for producers in other countries and serve simply as barriers to, rather than bridges for, international trade. British support of the International Standards Organisation was not designed only to protect the country's interests as an exporter. Thus it held the secretariat of the I.S.O. Committee on transfusion equipment for medical use, the purpose of which was to secure international interchangeability of the key items of equipment. Britain also held the secretariat of a committee on gas cylinders, which was considering recommendations on design and also on non-interchangeable valves for medical gas cylinders based on the new British standard already mentioned. The com-

mittee on Common Names for Pest Control Products for which, again, Britain provided the secretariat, was designed to promote international understanding in that field. At a recent meeting of that committee in the British Standards Institution's offices, the representative of the World Health Organisation had made a strong plea that any names finally agreed on should cover both plant chemistry and public health requirements.

Another problem that was increasingly exercising the British Standards Institution and the I.S.O. was that of metrology. The pharmaceutical industry probably employed metric units on a much larger scale than did any other. But most of the main industries in Britain and North America used the inch system of measurement although the majority of the European countries, of course, did not. There were some fields, e.g., some branches of the engineering industry, where standards on the inch system simply would not fit in with the manufacturing methods of a country on the metric system. The principal objective of I.S.O. was to facilitate the co-ordination and unification of the standards of member bodies and the exchange of goods and services internationally. The aim, therefore, was to secure recognition by the I.S.O. members that both systems of linear measurement were widely used throughout the world and that the Organisation should not therefore seek to promote one to the exclusion of the other, but rather to examine the basis of existing dimensional practices and to suggest means for promoting greater uniformity.

Mr. BINNEY concluded by asking pharmacists to bring to the Institution any further problems that they might encounter as users of hospital, laboratory or photographic equipment, or of chemicals, disinfectants, oils, fats, and solvents. As members of the B.S.I. pharmacists could help not only by working on and publicising the standards which were of direct concern to the profession, but as critics, by drawing attention to defects in existing standards or gaps that might be filled. He was sure that in the years ahead the Institution would continue to draw on the talents of pharmacists and he hoped that pharmacists would feel that the Institution had been able, and would be able in the future to do them justice.

#### Discussion

MR. V. REED asked whether it would be possible to produce a standard for polythene articles such as basins which bent easily. Could such articles not be reinforced by metal as was wire glass. Mr. Reed also complained about glass dispensing measures that did not pour well.

MR. BINNEY replied that standards should not be taken too far. If the basic properties of the materials used were provided for it was best to leave subsidiary matters to the manufacturers of the finished products. DR. H. M. GLASS, who, as an assistant technical director of the Institution, was invited by Mr. Binney to comment, said that the British Standards

Institution had not done much work on polythene vessels apart from on piping and tubing. But work was now being done on a standard for grades of moulding powder. Reinforcing might not be the answer; but the correct grade of powder of which there were many, might be. The criticism about pouring had not been received before. Perhaps the measures used by Mr. Reed had not been B.S.I. measures.

#### Pouring from Measures

MR. NEVILLE BROWN agreed with Mr. Reed that some larger measures were difficult to pour from. Was there a British Standard for tooth-brushes? It should cover the materials used and the description "soft, medium or hard."

MR. BINNEY said that the matter of pouring from measures would have to be taken up. He did not think that there was a standard for tooth-brushes. The suggestion that it should be tackled not only from the view of the material used but the degree of hardness was sound and sensible. He undertook to look into the matter.

MISS D. MURGATROYD asked how standards originated.

MR. BINNEY replied that demands for the use of the Institution's resources always outstripped the level of those resources. Priorities had to be given. Clearly an authoritative representation from an industry for something to aid the export trade would be given priority but it was more difficult to apportion resources further down the list.

MR. BINNEY told MR. NEVILLE BROWN that the marking of goods with an indication of origin was not normally a matter for the British Standards Institution. The Merchandise Marks Act dealt with the marking of goods coming into the country from overseas.

MR. C. KEMPLAY asked what system was adopted for the periodic review of standards.

MR. BINNEY said that the great bulk of changes were provided for automatically. Each technical committee which prepared standards was kept in being and brought together when fresh representations were received. There was a routine five-yearly review of standards.

MR. F. W. ADAMS (registrar of the Society) asked what was meant by voluntary standards.

MR. BINNEY said that agreement on a standard was reached over as wide a field as possible. The Executive Committee sought to secure unanimous approval of all the interests drawn into the consideration of a problem. But sometimes there was a dissentient minority. Since the standards were voluntary it depended, in the last resort, upon what the consumer wanted. He believed that voluntary standards worked best in a system of good creative competitive enterprise. If for reasons of health, etc., a standard had to be compulsory then it was up to the legislature to lay it down.

MR. H. STEINMAN (president of the Society) was in the chair and MR. T. C. DENSTON (secretary, British Pharmacopeia Commission) proposed the vote of thanks to the speaker.

# Correspondence

*Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed*

## A Question of Responsibility

SIR.—Shortly before Christmas I had occasion to contact a local doctor regarding the endorsement of a National Health Service prescription for a 9-grain dose of sodium Amytal, the official maximum dose being given as 5 gr. The doctor was amazed that anyone should be so fastidious in the matter, as he had been issuing such prescriptions for years, and had never previously been approached on the subject. I am aware that larger doses are given on occasion, but the several cases of fatalities reported during the past year loom large in my mind, and I feel that pharmacists who, perhaps through pressure of work, fail to place the responsibility with the doctor, to whom it properly belongs, are tempting fate and placing their careers in jeopardy.

FESTINA LENTE

## Meeting the Situation

SIR.—In his article, "Looking Before and After," Committeeman exactly expresses the views of the small chemist-contractors — a strained, overworked body of citizens who are finding the meeting of their dues getting beyond their powers. Committeeman mentioned the efforts of Mr. H. Noble, Mr. J. Wright and the negotiating committee to get increased terms from the Ministry of Health, and queried a lack of thrust on their part. We must wonder, for they have got no increases at all —only a small decrease—since the inception of the National Health Service. During that period wages, lighting, heating, bottles, corks, etc., etc., have all gone up considerably, and rates are due for a big jump. To meet this situation we must, in simple justice, have an immediate rise of fivepence on the dispensing fee and a 50 per cent. increase in the container allowance, and must find someone to get it.

EAST ANGLIAN

## Honey for Healing

SIR.—An article reprinted in the current issue of the *British Bee Journal* gives an account of the use of honey as a surgical dressing. The author (Michael W. Bulman, M.D., obstetric and gynaecological surgeon to the Norfolk and Norwich Hospital) has for some years used honey as a wound dressing, mainly in cases of vulvectomy. He has found that it is "non-irritating, non-toxic, self-sterile, bactericidal, nutritive, cheap, easily obtained, easily applied, and above all, effective." Honey, as he points out, is bactericidal on account of its hygroscopic action, and nutritive because, even when applied locally, it is rapidly absorbed by the tissues. An additional advantage is that the gauze on which the honey is applied adheres little, if at all, to the tissues; consequently there is no risk of injury to the granulating surface when the dressings are changed. The honey used must be *pure* honey,

unblended with any other ingredient, and it must be liquid, not crystallised. Honey was used as an antiseptic dressing by the ancient Egyptians, and again during the Middle Ages in Europe. To find it coming into use again in a modern hospital, and holding its own in competition with the latest antiseptics, is most interesting. Here is another reason why pharmacists should show and recommend pure English honey, preferably obtained from a local apriarist who takes a pride in turning out the product of his hives in attractive and suitably labelled jars.

APICURE

## Hospital Pharmacists' "Sociability"

SIR.—The article entitled "Terminus" in your December 31, 1955, issue, speaks of the lack of "sociability" of hospital pharmacists, and suggests the desirability of "a good dinner and dance once a year" to bring them together. May I suggest that the reason for the dearth of such functions among hospital pharmacists, is not mainly the "cares and labours of the daily round." The fundamental reason is more realistic—cash! On the whole, pharmaceutical social functions are on the expensive side and are mainly supported by a few devotees, chiefly retail employers and their guests. Few employees, even in retail, can afford to attend them, and the hospital pharmacist's income still compares unfavourably with theirs. The hospital pharmacist is a member of his local Branch, but can seldom afford even his own Branch dinner, far less an extra function for public pharmacists. Moreover, a retail proprietor who attends such dinners, especially with a well-dressed wife and perhaps some other members of his family, may be motivated by the enhanced prestige to his own business, in the eyes of his colleagues, that attendance may bring. The pharmacist whose Whitley Council salary is known and equalled by his colleagues has no such incentive. The fact that, on the occasion—nearly ten years ago—when London hospital pharmacists attempted such an event, financial disaster was only averted by the support of manufacturers' representatives bears out the point. For the attendance of those excellent gentlemen at pharmaceutical functions is often paid for by their employers.

PUBLIC PHARMACIST

## Access to Brushware Research

SIR.—The British Brush Manufacturers' Research Association often receives requests for assistance from large-scale buyers in assessing the merits of brushware, in checking samples against specifications, etc. The Association is not grant-aided, and its technical resources are unfortunately limited, although, after only nine years' existence, it has the support of British brush manufacturers responsible be-

tween them for about 70 per cent. of the country's output of brushware. Such resources as the Association has are fully employed in long-term research for the general advancement of the industry, and in assisting members with their manufacturing problems. The Association considers that it would be wrong in present circumstances to divert its energies from those tasks to the operation of any form of testing-house, and it has therefore, with some reluctance, had to refuse requests for help in assessing the merits of brushware offered in response to tenders, or for work of a similar kind. On the other hand members of the Association have the right at any time to put forward for examination by the research staff any brushmaking problem on which they require an opinion. A regular feature of the work is to ascertain the real cause of brushware damage (generally misuse) reported, through members, from their customers. Large-scale users who buy goods from members of the Association have therefore an assurance that they are dealing with firms that recognise the need for organised co-operative research, but also an assurance that, should the need arise, a line of communication is available through those manufacturers to scientists who have made brushware their exclusive study. A list of members is available, on request, to anyone interested.

BRITISH BRUSHWARE MANUFACTURERS' RESEARCH ASSOCIATION  
80 Coleman Street,  
London, E.C.2.

## APPRECIATIONS

WARMEST thanks for the *Diary*. Each year you seem to improve still further its remarkable range of contents.—H.S.H.

My colleagues agree with me that the *C. & D. Diary and Year Book* is of irreplaceable value in our work.—M. S. C.

CONGRATULATIONS on the very amusing backcloth published in the *C. & D.* on December 24, 1955. The originality of the themes was excellent.—N. C. E.

I RECEIVED safely the *C. & D. Diary and Year Book* for 1956. I must congratulate you on the way this has been prepared and send you my very best wishes for 1956.—C. R. W.

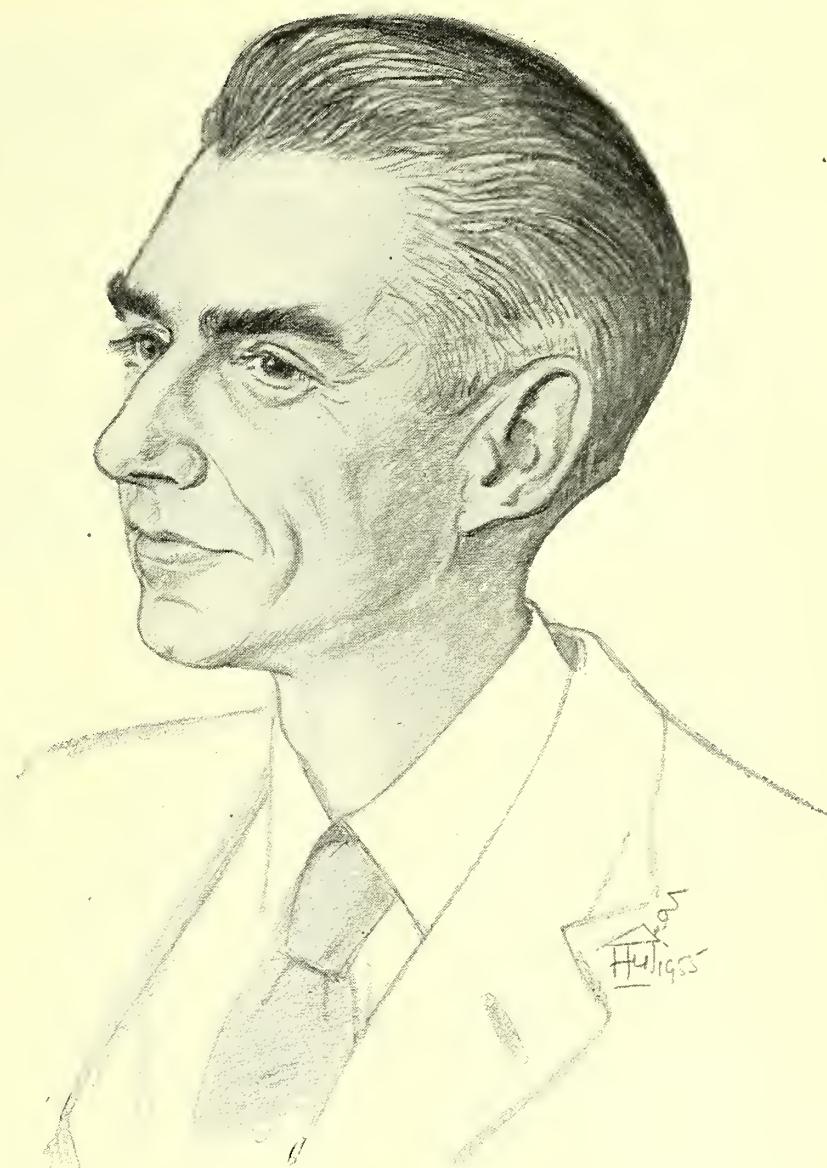
PLEASE accept our appreciation of the 1956 issue of the *C. & D. Year Book*. The directory is a valuable source of reference in our library and we make frequent use of it.—B.T.P.C., New York.

As usual the *C. & D. Diary* contains a wealth of information of very great value, both to the retailer and wholesaler and also to the manufacturer. I note that alterations to purchase tax, as from October 27, 1955, are duly recorded. The standard of production is always so high that it is difficult to praise it more highly than before. Once again, congratulations on the excellence of your production.—R. C. F.

## FIGURES IN THE PHARMACEUTICAL WORLD

THERE was recently in Britain for two months' of pharmaceutical observations and historical work, and is now in Frankfurt, Germany, on a ten months' research project, a distinguished American pharmacist who has come into international prominence as a pharmaceutical historian. Mr. Glenn Sonnedecker, B.Sc. (Pharm.), M.Sc., Ph.D., is secretary to the American Institute for the History of Pharmacy, of which Dr. George Urdang is the director, and he is the successor of Dr. Urdang in the teaching of the history of pharmacy in the Faculty of pharmacy at the University of Wisconsin, Madison, Wis., U.S.A. Dr. Sonnedecker's entry into the academic field as a specialist in pharmaceutical history was inspired largely by personal contacts he had had with Dr. Urdang, for whom he has a high esteem and admiration. So deliberate was his decision to embark on an academic career that he sacrificed to it an already achieved success and reputation in pharmaceutical journalism, culminating in his editorship for five years of the Practical Pharmacy Edition of the Journal of the American Pharmaceutical Association.

Dr. Sonnedecker's entry into pharmacy had been ordinary enough. In the Middle Western community into which he was born it was more sensible to take up a real post in a local drug store than to chase after a hypothetical outlet for the literary ability which he had already shown at high-school level. After working in pharmacies and studying in the four-year course at the Ohio State University from which he graduated in due course, he passed the State licensing examination as a pharmacist. The dean of the pharmacy faculty—Dean B. V. Christenson—encouraged him, however, to combine his pharmaceutical interest with writing, and in his final year he not only placed successfully some freelance work but took some special studies in journalism. In the Ohio State University newspaper he established a column that gained an award as the best in the paper. After a number of contributions to *Science Newsletter* and to pharmaceutical publications he took an inside post with *Science Service*, an agency for syndicating news of scientific matters by press and radio. Within two years the editorship of the Practical Pharmacy Edition already mentioned fell vacant, and he secured the appointment. From the beginning his relationship with the American Pharmaceutical Association appears to have been a happy one on both sides; and during the past decade he has continued to serve the Association on various committees, as a delegate in its House of Delegates, and as an officer of its history of pharmacy section. But his ambition for post-graduate work led him to resign the editorship, from which he went as post-graduate to Wisconsin with Dr. Urdang as major professor. He subsequently became the first American to earn a doctorate with the "major" in the history of pharmacy and history of science.



37. Dr. GLENN SONNEDEKER

In 1952, Dr. Urdang retired and the University invited Dr. Sonnedecker to stay on and accept a faculty appointment. He ranks now as assistant professor. Meanwhile, he has been active in various projects and committees of the American Association of Colleges of Pharmacy, American Institute of the History of Pharmacy, American Association for the History of Medicine, Rho Chi Honor Society, and the Wisconsin Pharmaceutical Association, as well as the A.Ph.A. In 1954 he was elected a member of the International Academy of the History of Pharmacy. Dr. Sonnedecker has contributed historical articles to a number of periodicals and books, particularly concerning American pharmaceutical education and organisations. Twice he has been an official delegate to the meet-

ings of the International Pharmaceutical Federation. He comes on his present prolonged stay in Europe as holder of a Fulbright research award, under the programme administered by the U.S. Department of State, and of a Guggenheim research fellowship. The fellowships are awarded "to men and women of high intellectual and personal capacity for productive scholarship or unusual creative ability in the fine arts." Dr. Sonnedecker returns to the United States at the end of August 1956. A rather unusual range of experiences for a pharmacist thirty-eight years old. It may be anticipated that there are in store for him many, many years of constructive work in the important but still largely unexplored field he has chosen as the one he would prefer to cultivate.



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# The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

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## New Rating Assessments and the Machinery of Appeal

IN most rating areas the new valuation lists are now available for inspection, though for some backward areas the Minister of Housing and Local Government may give extensions of time.

Each list has three parts: Hereditaments other than industrial and freight-transport; industrial; and freight-transport. Premises previously derated as industrial are not necessarily in part II of the new list: the valuation officer may have taken the opportunity to transfer to part I, where they have to pay full rates, certain premises of borderline classification. Public notice of the arrival of the valuation list, and of the ratepayers' inspection rights, is given by the rating authority. Normally the notice is exhibited outside the rating office, but it may also be displayed at other prominent local places, or advertised in local newspapers. The notice gives the times at which the list is, by right, open for inspection by any ratepayer, including an occupier who pays an inclusive rent, or a duly authorised agent of a ratepayer, or a ratepayer in some other rating area. Copies or extracts may be made from it without payment: to inspect the previous valuation list, the ratepayer may have to pay a charge of 2s. 6d. Obstructing a person from inspecting or copying the list or items from it is a punishable offence; so also is the demanding of an unauthorised fee.

Proposals (appeals) cannot be made until after April 1. The delay of three months is aimed—somewhat vainly, perhaps—at reducing the number of appeals. As only the new assessments are being made known in January, and reductions in the poundage may come later, no appeals are being accepted until the combined effect of both factors can be considered.

If a shop has its rateable value increased by, say, 200 per cent., and the poundage rate drops by, say, one-third, the result will be an increase that will force most shopkeepers to appeal. The right to "make a proposal" is not confined to the ratepayer. Rating authorities or valuation officers may also appeal. Proposals put in by valuation officers should, of course, be negligible in number.

At any time between delivery of the list and April 1, the valuation officer has the right to make amendments to it without notifying ratepayers concerned. After that date the only way a valuation officer may alter the list is by himself making a proposal. A copy of that would be forwarded to the ratepayer. Alterations be-

tween January 1 and April 1 will normally consist mainly of increased assessments, but could also comprise transfers from parts II and III to part I. A January inspection of the list may be premature. Failing some special reason for wanting to know the position as early as possible (such as the renewal of a lease expiring on March 25), nothing, probably, will be lost by waiting until the rate demands are issued in April, when both the assessment and the poundage rate will be known.

To lodge an appeal, a proposal form (available only on April 2) must be obtained from the valuation officer (address printed on public notice) and completed. Most rating authorities will also carry stocks of proposal forms. Where a proposal is made, the amount recoverable in respect of rates levied for the year (or any subsequent year if the appeal is still unsettled) is not more than the total amount of rates levied for the previous year—a proviso that has given rise to controversy. If the rates for 1955-56 amounted to £50, and the rates for 1956-57 to £100, how much can the rating authority claim for its first instalment due in April? Most authorities are taking the view that they can recover the full first instalment of £50, because that amount does not exceed the rates of the previous year. Probably a court case will be needed before there is a definite ruling on the point. Rating authorities which offer discounts for prepayment take the view that, although a proposal may have been made, the full amount of rates must be paid by the date due if the discount is to be secured. That interpretation may also be open to doubt.

A settlement of many of the proposals made may be arrived at by compromise between the ratepayer and the valuation officer. Whether or not to compromise is a matter for personal judgment in the circumstances of the case, but it would be foolish to accept a compromise from reluctance to pursue an appeal: experience shows that it pays to appeal.

Appeals not settled by compromise will be heard by a local valuation court of two or more members. There may, from the number of appeals and the relatively small number of persons eligible to serve on the valuation courts, be considerable delays. With certain groups of comparable properties, the valuation officer may suggest, or may agree to the suggestion, that one property should be taken as a test appeal. Test-case procedure would permit groups of ratepayers to engage the services of a qualified valuer to conduct the appeal, dividing the cost amongst themselves.

The revaluation basis (for shops) is current rental value. For an owner-occupier property there is no rent, and the current rental value is anybody's guess. The prudent course for an owner-occupier who wishes to appeal is then to produce balance sheets for as far back as they are available. The profit-making capacity of a business is good evidence in a rating appeal, and in owner-occupier cases local valuation courts may pay a good deal of attention to it. Nearly one million small traders make profits of less than £500 a year. Valuation courts would think twice about imposing an additional £50 a year in rates on such businesses. The decision of the local valuation court is in any event not final. A further appeal may be taken to the Lands Tribunal, before which normally a ratepayer would appoint a qualified valuer to act for him.

## Drug Hazards of Childhood

A SUGGESTION that chemists should label drugs and medicines "Please keep this medicine in a safe place out of reach of children" is being referred to the Pharmaceutical Society by the General Medical Services Committee of the British Medical Association (p. 1). That news links closely with a report on accidental poisoning of children published recently by the American Medical Association, one of the recommendations of which is that the co-operation of pharmacists should be sought in putting a label such as "Keep out of the hands of children" on all potent drugs and agents.

It is a practice which has much to commend it, and it is one that is being followed at the moment by some pharmacists in Britain. Tablet skillets, for which we hold no particular brief as such, but which are nevertheless widely used, can be obtained ready printed—and probably at little extra cost—with such wording. Once the principle has been accepted, therefore, there is no economic obstacle to the general introduction of

such a practice. There is even something to be said for labelling all medicines in that fashion. To do so might help to engender an automatic respect for medicine that is noticeably lacking in members of the public at present. And dangers to the unsuspecting probably lurk in more medicines today than ever before.

Among other recommendations made by the American report is one in which we see much less point. It is that there should be uniformly standardised doses (e.g., 1·25-gr. aspirin tablets) for children. While standardisation has much to commend it, we cannot see its relevance as an aid to the elimination of child poisoning. For surely the difference between 1·25 and 5 gr. of aspirin is not enough to transform the drug from the useful to the hazardous. There seems to be a general awakening to the importance of the problem of child poisonings. It is a hopeful sign that the subject should be raised in Parliamentary debate, as it was in the Northern Ireland Senate recently (see p. 4), for the answer to the problem is education, whose handmaiden in this instance must be publicity on a wide front.

## Onward from Galen

### A CURRENT CAUSERIE

PROMINENT among the illustrations in a special eight-page illustrated supplement on The Duke of Edinburgh in the January issue of *Homes and Gardens* is the picture of the Duke receiving from Mr. E. A. Brocklehurst (then president of the Pharmaceutical Society) the illuminated diploma which certified his election as the first Honorary Fellow of the Society. The picture was first published in THE CHEMIST AND DRUGGIST, May 28, 1955, p. 577.



"A DOCTOR" writes in the *Manchester Guardian* of January 2 on "Some Medical Aspects of the Motor Car." As he discounts the use of drugs against motion sickness, devotes about a sixth of his article to dirty windscreens, half that amount to wireless in cars and quite a large proportion to accidents, posture and driving position (which might be described—loosely—as surgical) it would appear that there are not many medical aspects of motoring. The worst ones are apparently boredom and fatigue and cold. The counsel to take barley-sugar sweets and "ready-mixed bottles of sweetened fruit drinks" on a long journey might provide the basis for window displays in suitable pharmacies, but we can't visualise many drivers stopping the car very often to take a drink of sweet, dilute blackcurrant, even if professionally compounded beforehand. The advice, too—a quote from the *Lancet*—"when" a crash seems imminent to lift the feet and push them hard against the dashboard or the back of the front seat seems to demand split-second timing. Too early a lifting of the feet may precipitate a crash that skilful driving might avert.



A RATHER early spring-clean of the upper shop by a pharmacist contributor brought to light a copy of the *Girl's Own Paper* issued in 1885, a year chiefly memorable from a pharmaceutical point of view as that of a British Pharmacopoeia which, with its preparation of tinct. chlorof. et morph., lingered on well into the currency of its successors. The copy contained a long article, by one "Medicus", entitled "Lady Dispensers." It appears that, while that physician was on tour in the north of Scotland, he had occasion to enter a druggist's shop of, as he puts it, "some pretensions," in order to write a prescription. To his surprise, paper and pencil were handed to him by "a neat-fingered Phyllis" behind the counter, and he noticed two

more of the sex busy behind her. Having written his prescription, our medical friend "stood waiting for one of my own sex to appear." His expectations were, however, not realised. "Phyllis" correctly interpreted his anxious glances and said "I'll take it, Sir." "Thank you," replied the doctor, with a slight touch of sarcasm, "taking it is only one thing. I want it compounded, and that, too, at once." The worthy gentleman found himself told "smilingly but firmly," that Phyllis would herself compound it. She and her sisters did nearly all the dispensing in the shop. The young lady must have had an air of considerable assurance for, although the doctor confesses to opening his eyes somewhat, he admits that he kept his mouth shut. To his credit he showed himself an unbiased observer, for he goes on to describe in meticulous detail the skill and expedition with which the work was carried out, noting everything from the initial turning upside-down of the 6-oz. bottle and its thorough inspection to see that it was clean, down to the final stage of inversion once again to see that the cork did not leak! He observes, moreover, with considerable approval, that, at the labelling stage, use was made of a proper label damper, "not using the tongue, as some horrid masculine dispensers do." After a masterly piece of wrapping, without a morsel of sealing-wax being spilled on the counter, the finished product is presented to him with the remark, "Ordinary price is so and so—professional price so and so." The doctor goes on to dream of a country full of chemists' shops staffed by equally competent young women. Apparently he had recourse to the regulations of the Pharmaceutical Society, for we find that the remainder of his article, to the tune of several thousand words, not only goes into the details of qualifying, but makes plausible suggestions for circumventing the regulations where possible! Thus he refers to the requirement that a certificate must be produced declaring that "for three years you have been registered and employed as an apprentice or student, or have otherwise for three years been practically engaged in the translation and dispensing of prescriptions. His comment is that "this requirement will bear reading over once or twice, the word 'otherwise' having been put in italics intentionally, as it may form a sort of side door through which our girls may get into the hall for the examination without having given all their time to shop work behind a counter."

A rather pessimistic note was struck by several speakers at a recent conference at Southampton on the theme "The Future of Pharmacy." To test how widely those views may be shared, THE CHEMIST AND DRUGGIST invited pharmacists in a number of branches of the profession and from various parts of the country, to write on

# PHARMACY'S FUTURE AS I SEE IT

## I. BY AN INDUSTRIAL-AREA RETAILER

### *The Manufacturing Pharmacist*

THE position of the manufacturing pharmacist today appears to be very satisfactory. His tenure is secure, he is essential to the country's export trade, he has no fear of State competition, and his opportunities are constantly expanding. His chances of promotion are good, and his work congenial. The employment of pharmacists in this field is likely to increase.

### *The Hospital Pharmacist*

Hospital pharmacists are in an unfortunate position in regard to remuneration. They suffer from the tradition that forced the voluntary hospitals to do their important work at the lowest possible cost, employing doctors as house surgeons at £150 a year, nurses at nominal salaries, and pharmacists at minimum rates. One can only hope that, by constant reiteration of their claim to adequate payment, they will ultimately secure it.

### *The Retail Pharmacist*

When the National Health Service commenced in July 1948, the question of providing facilities for dispensing presented no problem, because of the elaborate network of distribution points existing in pharmacies throughout the country. The service given over the past seven and a half years has admittedly been highly efficient and leaves little to be desired. The Act provides for the establishment of health centres of various kinds, some including pharmaceutical departments. So far, little use has been made of that provision. There is no evidence that either political Party is wedded to the doctrinaire idea of the pharmaceutical service being nationalised by the general establishment of State dispensaries. But every Government must be interested in the cost of providing the service. It may be that a State-controlled service in health centres would enable the Government to cut down the cost. But, owing to the distribution of the population in cities, towns, and villages, it would hardly be possible to organise a comprehensive chain of State pharmacies without involving much greater cost in many areas than is at present the case, where the general business of the pharmacist subsidises the dispensing. The main difficulty to be overcome is the recruiting of qualified staff without offering much higher salaries than those at present paid to hospital pharmacists. If this were done, the hospital pharmacists would be among the first to apply for the vacancies.

Under present conditions the responsibility for providing an efficient service rests upon the contractors under the control of the Executive Councils. Under a system of State dispensaries, however incomplete, the responsibility would rest on the Ministry of Health, and State control is apt to be expensive. So far as large city centres are concerned, a State dispensary, especially one giving a twenty-four-hour service, would probably reduce the cost per prescription, and no doubt we shall see further experiments on those lines. But a demonstrable reduction in dispensing costs in these cases would not afford a safe basis for the extension of the principle in general. It must not be forgotten that

the essential thing in providing medicines is ubiquitous efficiency, and that the cost is a secondary consideration.

Heavy capital expenditure is involved in the provision of a network of health centres, and the Ministry's plans include ophthalmic, dental, and gynaecological departments. Those must take precedence over the provision, in those centres, of medicines, for which the present facilities have, for over seven years, proved not only adequate but highly satisfactory to all concerned.

Nevertheless, the pharmacist contractor cannot escape the fact that his tenure of contract is still more secure if the service he gives is completely beyond criticism. The large crowds that gather in the "twenty-four-hours" service" pharmacies in large cities between 6 p.m. and midnight constitute a warning which should not be ignored. That service is at present given mainly by multiple concerns, which are clearly shouldering a responsibility that is not theirs alone. Some pharmacists here and there are giving an extended service until 9 or 10 p.m. It may be argued that those pharmacists are making a valuable contribution, at the sacrifice of their own leisure, to the security of pharmacist contractors in general. The joint pharmacy established in Sheffield to give a late service is an example that might well be followed in other towns.

Finally, the steadily mounting cost of the Health Service will compel the Ministry to devise some means of effecting an early economy, and as the doctors' right to prescribe what he thinks necessary is not disputed, the contractor may be asked to consider a revision of the oncst. This matter will no doubt be the subject of negotiation between the Ministry and the Contractors' Committee before long. The contractor is entitled to expect that at the same time there will be consideration of an upward revision of the dispensing fees, in the light of the 25 per cent. fall in the value of the pound since July 1948. The case for this will be difficult to refute.

I have not dealt with the question of what the retail pharmacist will do if he loses his contract to supply medicines, because I do not visualise that happening for many decades, if at all.

### *A PHARMACIST'S ANTHOLOGY A PATIENT'S TEMPERATURE*

"A THERMOMETER was fetched. Throughout almost all its length it was clear of mercury. Scarcely could one make out, crouching at the foot of the tube, in its little cell, the silver salamander. It seemed dead. The glass reed was slipped into my grandmother's mouth. We had no need to leave it there for long; the little sorceress had not been slow in casting her horoscope. We found her motionless, perched half-way up her tower, and declining to move, shewing us with precision the figure that we had asked of her, a figure with which all the most careful examination that my grandmother's mind could have devoted to herself would have been incapable of furnishing her: 101 degrees. For the first time we felt some anxiety. We shook the thermometer well to erase the ominous line, as though we were able thus to reduce the patient's fever simultaneously with the figure shewn on the scale." From "*The Guermantes Way*," by Marcel Proust.

## AMERICAN APPROVED REMEDIES

Products accepted by the American Medical Association's Council on Pharmacy and Chemistry for inclusion in its list of "New and Non-official Remedies":—

FURAZOLIDONE. — N-(5-nitro-2-furylidene)-3-amino-2-oxazolidone. (Eaton Laboratories.)

METHSCOPOLAMINE NITRATE. — Epoxytropine tropate methylnitrate. A parasympatholytic agent that has the same actions, uses, and contraindications as methscopolamine bromide. (R. J. Strasenburgh Co.)

METHSCOPOLAMINE BROMIDE. — Epoxytropine tropate methylbromide. A parasympatholytic agent producing the antisecretory and antispasmodic actions characteristic of anticholinergic drugs. (The Upjohn Co.)

PROPANTHELINE BROMIDE. —  $\beta$ -Diisopropylmethylaminoethyl 9-xanthene-carboxylate bromide. The isopropyl analogue of methantheline bromide. The drug has the same cholinergic blocking actions, uses, and side-effects. (G. D. Searle & Co.)

PENTOLINIUM TARTRATE. — Pentamethylene-1,1'-bis-(1-methylpyrrolidinium bitartrate). A quaternary ammonium compound. It is a potent ganglionic blocking agent, qualitatively similar in action to tetraethylammonium and hexamethonium compounds. (Wyeth Laboratories, Inc.)

RADIO-IODINATED ( $I^{131}$ ) SERUM ALBUMIN (HUMAN). — A stable preparation derived from the radioactive isotope, radioiodine ( $I^{131}$ ). It is useful as a diagnostic aid for tracer studies in the determination of blood or plasma volumes, circulation times, or cardiac output, and as an adjunct to other diagnostic procedures in the detection and localisation of brain tumours. (Abbott Laboratories.)

PRAMOXINE HYDROCHLORIDE. — 4-[*p*-Butoxyphenoxyl]propylmorpholine hydrochloride. Pramoxine hydrochloride is a surface anaesthetic agent chemically distinct from local anaesthetic compounds of the benzoate ester type such as procaine. It is applied to the affected area in a concentration of 1 per cent, as a cream, jelly, or solution. (Abbott Laboratories.)

METARAMINOL BITARTRATE. — *l*- $\alpha$ -(1-Aminoethyl)-*m*-hydroxybenzyl alcohol hydrogen *d*-tartrate. A sympathomimetic amine compound, with vasoconstrictor properties similar to those of ephedrine. But it is more potent and exhibits less of the central stimulant effects of that drug. It is used topically as a nasal decongestant in the symptomatic relief of nasal oedema accompanying the common cold, rhinitis, sinusitis, and nasopharyngitis. (Sharp & Dohme Division of Merck & Co., Inc.).

METHOXSALEN. —  $\delta$ -Lactone of 3-(6-hydroxy-7-methoxybenzofuran-2-yl)acrylic acid. — 8-Methoxysoralen. — Xanthotoxin. — A methoxysoralen derivative which increases the production of melanin pigment in the skin when exposed to ultraviolet light. Methoxalen is useful for the treatment of idiopathic vitiligo when used in conjunction with exposure of affected areas of the skin to ultraviolet light. The drug is extremely potent and should be employed only under medical supervision to avoid over-dosage and potential toxic effects. Serious burning of the skin can result from incorrect topical use. (Paul B. Elder Co.)

PRIMIDONE. — 5-Ethylidihydro-5-phenyl-4,6(1H,5H)-pyrimidinedione. A pyrimidine derivative related to phenobarbitone but with different chemical and pharmacological properties. Animal experiments indicate that its anticonvulsant activity and toxic effects compare favourably with other similar-acting drugs. It is effective in the control of grand mal and psychomotor epilepsy, but further clinical studies are required to determine its usefulness in petit mal, minor motor, or focal types of seizures. As with all anticonvulsants, some patients who are refractory to other agents may respond to primidone and vice versa. (Ayerst Laboratories, Inc.)

(continued at right of p. 19)

## GUIDE TO NEW MEDICAMENTS

Information about proprietary products supplied principally on prescription. Reprints on perforated gummed paper for affixing to index cards are obtainable.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (January 7, 1956).

### CORTRI Topical Ointment

MANUFACTURER: Pfizer, Ltd., 137 Sandgate Road, Folkestone, Kent.

DESCRIPTION: Ointment containing 10 mgm. or 25 mgm. hydrocortisone free alcohol per gm.

INDICATIONS: Atopic dermatitis, including allergic eczema, disseminated neurodermatitis, pruritus with lichenification, eczematoid dermatitis, food and infantile eczema; contact dermatitis; and non-specific pruritus of the anus, vulva and scrotum.

USE: A small quantity should be carefully rubbed into the cleansed affected area, taking care not to damage the skin.

HOW SUPPLIED: In 5-gm. and 15-gm. tubes and 50-gm. and 200-gm. jars.

FIRST ISSUED: December 5, 1955.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (January 7, 1956).

### TERRA-CORTRI Topical Ointment

MANUFACTURER: Pfizer, Ltd., 137 Sandgate Road, Folkestone, Kent.

DESCRIPTION: Each gm. contains 10 mgm. hydrocortisone acetate and 30 mgm. Terramycin as the hydrochloride.

INDICATIONS: Cutaneous infections including superficial pyogenic infections; pustular, atopic and contact dermatitis; non-specific pruritus of the anus, vulva and scrotum.

USE: After thorough cleansing of the infected skin, a small amount should be applied gently two to four times daily. When infection is present the ointment should be applied on sterile gauze.

HOW SUPPLIED: In  $\frac{1}{2}$ -oz. and  $\frac{1}{2}$ -oz. tubes.

FIRST ISSUED: December 5, 1955.

NOTE: The presence of Terramycin in the formula prevents or eradicates secondary bacterial complications.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (January 7, 1956).

### Sodium Aminosalicylate, Purissimum

MANUFACTURER: Cilag, Ltd., Schaffhausen, Switzerland. Sole distributors in United Kingdom: Halewood Chemicals, Ltd., 111 Eastbourne Mews, London, W.2.

DESCRIPTION: Sodium aminosalicylate, purissimum, is highly purified and gives a perfect water-white solution in the cold with the lowest meta aminophenol content that can be practically obtained.

INDICATIONS: Acutely dangerous forms of tuberculosis such as miliary and meningeal; serious exudative forms, especially caseous pneumonic and bronchial tuberculosis. Also bronchogenic and haematoxigenic phases of spreading disease; preparation for surgery especially where contra-lateral lesions are present; post-operative preventive measure against spread of the disease; streptomycin- and INH-resistant cases.

DOSAGE: PAS purissimum is dissolved in pyrogen-free distilled water. 24 gm. give, with 500 c.c. water, a PAS solution of 4.8 per cent. suitable for intravenous infusion. 16.25 gm. give, with 500 c.c. water, a PAS sodium concentration of 3.25 per cent. suitable for subcutaneous or intravenous infusion. Those solutions may be prepared by cold filtration under pressure of nitrogen, or heat sterilisation may be used, warming the solution for about half an hour to 100° C. in freely circulating steam, or in a water bath. Cold filtration is to be preferred. The solutions after preparation should be stored in a cool place, but it is desirable to use them as quickly as possible. Average number of infusions per patient: 50 in four months (3 per week). Time of infusion: 90-120 minutes.

HOW SUPPLIED: In containers of 250 gm. and 1 kilo.

FIRST ISSUED: July 1, 1955 (in United Kingdom).

NOTE: The 3.25 per cent. solution is isotonic.

REFERENCES: Spencer Jones, *Brit. J. Tuberc.*, 1954. 48. 285. Charles, *Tubercle*, 1955. 36. 40.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (January 7, 1956)

**PENTOXYLON**

**MANUFACTURER:** Riker Laboratories, Ltd., Morley Street, Loughborough, Leics.  
**DESCRIPTION:** Tablets, each containing 1 mgm. of Rauwiloid brand alkaloid hydrochlorides of *Rauwolfia serpentina* and 10 mgm. pentaerythritol tetranitrate.

**INDICATION:** Angina pectoris.

**DOSAGE:** Usual, 1 tablet four times daily before meals. Up to 2 tablets four times daily are well tolerated.

**HOW SUPPLIED:** In bottles of twenty-five, 100 and 500 tablets.

**FIRST ISSUED:** October 1955.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (January 7, 1956)

**THROMBORAL**

**MANUFACTURER:** S. Maw, Son & Sons, Ltd., Aldersgate House, Cromer Road, Barnet, Herts.

**DESCRIPTION:** A combined pack of 250 N.L.H. units of thrombin, in a phosphate buffer, and approximately 1 gm. of specially prepared gelatin foam.

**INDICATIONS:** Haemorrhagic complications of peptic and duodenal ulcer, oesophageal varices, and cases of epigastric distress with evidence of internal haemorrhage.

**DOSAGE:** The contents of a small sachet (thrombin) are taken with a little milk followed immediately by the contents of a larger sachet (gelatin) every two hours.

**HOW SUPPLIED:** In pack containing twelve pairs of sachets.

**FIRST ISSUED:** October 1955.

**REFERENCES:** Rogers, *J. Amer. med. Ass.*, 1948, 2, 1035. Daly, *Arch. Surg.*, 1947, 125, 55. Gill and Keele, *Brit. med. J.*, 1943, 2, 194.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (January 7, 1956)

**RITALIN**

**MANUFACTURER:** Ciba Laboratories, Ltd., Horsham, Sussex.

**DESCRIPTION:** Ritalin is the hydrochloride of phenyl-( $\alpha$ -piperidyl)-acetic acid methyl ester and is an anti-depressive and central nervous stimulant with an action intermediate between those of amphetamine and caffeine. It has little or no effect on the appetite and its action is smoother with less agitation and tension than is usually observed with the amphetamines.

**INDICATIONS:** Depression of various types, especially during convalescence after debilitating illness such as influenza. The drug is also effective for relieving fatigue and improving mental and physical performance. Ritalin counteracts drug-induced drowsiness, lethargy and depression.

**DOSAGE:** 1 tablet of 10-mgm. once or twice daily. In severe cases, 2 tablets may be taken as a dose. It is preferable that Ritalin should not be taken later than 4 p.m. to avoid interference with sleep.

**HOW SUPPLIED:** In bottles of twenty-five, 100 and 500 10-mgm. tablets.

**FIRST ISSUED:** December 1, 1955.

**REFERENCE:** Meier and others, *Klin. Wschr.*, 1954, 32, 445.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (January 7, 1956)

**PIPADONE**

**MANUFACTURER:** Burroughs Wellcome & Co., 183 Euston Road, London, N.W.1.

**DESCRIPTION:** Pipadone is *dl*-6-piperidino-4-4-diphenylheptan-3-one hydrochloride (dipipanone hydrochloride, piperidyl amidone).

**INDICATIONS:** To provide long-duration analgesia plus sedation in the management of post-operative pain, in ano-rectal surgery, in the removal of surgical dressings; in carcinomatosis, rheumatoid arthritis and trigeminal neuralgia. The drug may be used to replace morphine and pethidine when they cease to be effective.

**DOSAGE:** Two doses of 10–50 mgm. (usually 25 mgm.) daily by intramuscular (usually) or subcutaneous injection. Intravenous injection may cause a transient fall of blood pressure or respiratory arrest and is not recommended for routine use.

**HOW SUPPLIED:** In box of twelve 1-c.c. ampoules each containing 25 mgm. pipadone.

**FIRST ISSUED:** November 14, 1955.

**REFERENCES:** Ofner and others, *Nature*, 1949, 163, 479. Ofner and others, *J. chem. Soc.*, 1950, 3, 2158. Green and Young, *Brit. J. Pharmacol.*, 1951, 6, 573.

**NOTE:** The drug is D.D.A.

**AMERICAN APPROVED REMEDIES**

(continued from column 1, p. 18)

**CHLORQUINALDOL.** — 5,7-dichloro-8-hydroxy-quinidine. An oxyquinoline derivative, exhibiting keratoplastic, antibacterial, and anti-fungal properties. (Geigy Pharmaceuticals, Division of Geigy Chemical Corporation.)

**PREDNISONE.** —  $\Delta^{1,4}$ -pregnadiene-17 $\alpha$ ,21-diol-3,11,20-trione. A dehydrogenated analogue of cortisone which shares the actions and uses of the other glucocorticoids employed clinically. (Schering Corporation.)

**IOPHENOXIC ACID.** —  $\alpha$ -Ethyl-3-hydroxy-2,4,6-triiodohydrocinnamic acid. A water-insoluble organic iodine compound for oral administration as a radiopaque agent in cholecystography. (Schering Corporation.)

**PREDNISOLONE.** —  $\Delta^{1,4}$ -pregnadiene-3,20-dione-11,17 $\alpha$ ,21-triol. A dehydrogenated analogue of hydrocortisone which exhibits the same systemic actions and has about the same potency as prednisone. (Schering Corporation.)

**WARFARIN SODIUM.** — 3-( $\alpha$ -Acetomethylbenzyl)-4-hydroxycoumarin sodium. A coumarin derivative that produces the blood anticoagulant activity characteristic of similarly-acting compounds. It is administered intravenously or orally. (Endo Products, Inc.)

**RESERPINE.** — An ester alkaloid isolated from the root of certain species of *Rauwolfia*, (Ciba Pharmaceutical Products, Inc., Eli Lilly & Co., Pfizer Laboratories, Division of Chas. Pfizer & Co., Inc., and Riker Laboratories, Inc.)

**PENTHIAZENATE BROMIDE.** — 2-Diethylaminoethyl  $\alpha$ -cyclopentyl-2-thiopheneglycolate methobromide. An anticholinergic agent that inhibits gastric secretion and motility of the gastro-intestinal tract. (Winthrop Laboratories, Inc.)

**THIAZOLSULFONE.** — 2-Amino-5-sulphanilyl-thiazole. The drug seems to be of less value than other sulphones in the treatment of leprosy. It may be used in conjunction with streptomycin in the treatment of tuberculosis. (Parke, Davis & Co.)

**SODIUM IODIPAMIDE.** — Sodium N,N'-adipyl-bis(3-amino-2,4,6-triiodobenzoate). A radiopaque water-soluble organic iodine compound, useful as a roentgenographic contrast medium for intravenous cholangiography and cholecystography. (E. R. Squibb & Sons, Division of Olin Mathieson Chemical Corporation.)

**ISOFLUROPHATE, U.S.P.** — Diisopropyl fluorophosphate. A parasympathomimetic agent which acts chiefly by irreversible inhibition of the enzyme, cholinesterase. The anticholinesterase activity of isofluorophate is more prolonged than that of physostigmine and similar drugs; thus it is more convenient for maintaining miosis in the treatment of glaucoma, with fewer instillations. (Sharp & Dohme, Division of Merck & Co., Inc.)

**CRYSTALLINE TRYPSIN.** — A purified preparation of the pancreatic enzyme derived from mammalian glands. It is useful as an adjunct to surgical management for débridement of necrotic wounds and ulcers, abscesses, empyemas, sinuses, and fistulas. It is also useful to separate eschar from second degree burns and to liquefy haematomas, including intrapleural blood clots in hemothorax. It is not nearly as effective for removal of necrotic tissue as for liquefaction of coagulated blood and exudate. (The Armour Laboratories.)

**RADIO-GOLD (Au<sup>198</sup>) COLLOID.** — A colloidal concentrate of radio-gold (Au<sup>198</sup>) from which suitably dilute solutions are prepared for parenteral injection. It is given by intracavitary injection, and is useful in dilute solutions for the irradiation of closed serous cavities in the palliative treatment of ascites and pleural effusion associated with metastatic malignancies. Dilute solutions also may be employed as a palliative prophylactic against the dissemination of tumour cells after surgical exposure and/or removal of tumours from those serous cavities, provided healing of the surgical wound by primary intention has begun. It is ineffective against acute leukemias and inferior to the majority of other agents used in chronic leukemias. (Abbott Laboratories.)

# SHARE MOVEMENTS, October to December 1955

BY A FINANCIAL CORRESPONDENT

**T**RADING and inquiry in the industrial department of the London Stock Exchange during the fourth quarter of 1955 were on a slightly increased scale, with the majority of share price movements in favour of holders. The publication of details of a large number of wage claims for discussion early in 1956 caused no reaction in the market. Drug-trade company ordinary shares made a better showing than in the third quarter of 1955, a number of rises being recorded.

### High Values

One of the best features of the entire industrial department was again supplied by Borax Consolidated £1 Deferred, which closed 30s. better at the new high level of 172s., with a regular and appreciable business completed. Firmness and regular turnover were again evident in Reckitt & Colman Holdings £1 Ordinary, which finished nearly 2s. better at 43s.

Monsanto Chemicals 5s. Ordinary were freely marketable; they finished harder at 28s. after being valued down to 25s. Glaxo Laboratories 10s. Ordinary were valued at ninepence, against holders at 34s., their total drop during the past six months amounting to 4s. 9d.

Greef Chemical Holdings 5s. Ordinary closed about 1s. down at 18s. 4½d., while Sangers 5s. Ordinary finished about 1s. better at 15s. 6d. Ilford 5s. Ordinary were priced a few pence harder at 15s. 3d., while British Drug Houses 5s. Ordinary closed 1s. 6d. lower at 14s., their fall during

the past six months totalling about 3s. Yardley & Co. 4s. Ordinary moved 1s. 6d. against holders by closing at 28s. 6d., the lowest level since the beginning of 1955. The 4s. A Ordinary class of the same company finished 2s. 1½d. down at 27s. 10½d.

In the lowest-priced share group, Arnold M. Gee 1s. Ordinary lost fourpence halfpenny, closing at 1s. 9d., and Ashe Chemical 1s. Ordinary finished three-halfpence lower at 1s. 6d., after having been dealt in at 1s. 3d.

### Preference Share Trends

In the Preference-share section no change was evident in the trend of recession during the third quarter of 1955. An exception to the prevailing tone was noted in Timothy Whites & Taylors £1 7½-per-cent, which finished 1s. 6d. better at 25s. 6d., though it is recalled that they lost about 3s. earlier in the year. Allen & Hanburys 7 per cent. Preferred Ordinary were valued at 1s. down at a new low level of 21s. Taylors (Cash Chemists), London, 6-per-cent finished fractionally lower at 19s., after having been dealt in down to 18s. Taylors (Cash Chemists) Trust £1 6-per-cent also closed a shade lower at 19s., after having reached the new low level of 18s. 6d.

## NEW BOOKS

### Management for Small Traders

JOHN UNETT. *Iliffe & Sons, Ltd.*, Dorset House, Stamford Street, London, S.E.1. 8½ x 5½ in. Pp. 169 + index. 12s. 6d.

THE author is an accountant specialising in small business accounts and this book is intended to be a sequel to his previous volume on book-keeping for small traders. Among the subjects discussed in the present book are handling cash at the bank and in hand; debtors and creditors; recording sales; wages and salaries; stock control; the control and recording of raw materials processing and output. Also discussed are the preparation of an annual balance sheet and final accounts. The book can be studied with profit by the manager or owner of any retail and small manufacturing business, for, in addition to the above, it has a useful section on staff relations and the problems of staff control.

### Education and Training for Industrial Management

AUBREY SILBERSTON. *Management Publications, Ltd.*, Management House, 8 Hill Street, London, W.1. 9 x 6½ in. Pp. 84 + appendix (xii) + index. 12s. 6d.

THE author carried out the research for this work during his tenure of the Kenward Research Fellowship at St. Catharine's College, Cambridge. Considerable space is devoted in the book to recent developments in the universities and to the future prospects for management studies there. A description is given of four training schemes run by industrial firms. The present educational facilities for the training of the middle rank of management are far less than those available to supervisors, according to the author. Although aware of the dangers of exaggerating the results of education and training for management (including the training of people to make rapid progress when the only path they can take amounts to a blind alley), he makes out a strong case for the need to strengthen and extend the country's present programmes.

## INFORMATION WANTED

The Editor would appreciate information about suppliers of the following items:

SEDITOL

KEWNOR hair lotion

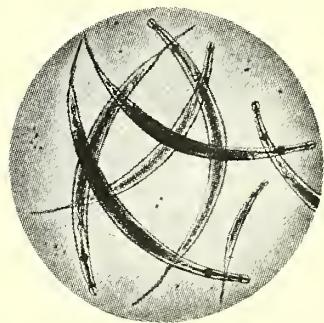
NAME OF COMPANY £1 units unless otherwise stated	1955		
	HIGH	LOW	LATEST
	s. d.	s. d.	s. d.
Albright & Wilson, 5s. ...	27 0	16 6	21 3
Allen & Hanburys ...	58 0	50 0	52 6
Do. 7% Prefd. Ord. ...	25 6	21 0	21 0
Ashe Chemical, 1s. ...	1 10½	1 3	1 6
Aspro, 5s. ...	21 9	16 0	19 6
Beecham Group, 5s. ...	29 4½	20 6	22 6
Boots Pure Drug, 5s. ...	21 7½	12 6	18 1½
Boots (Eastern), 6% Cum. Prefd. A ...	24 6	20 6	21 9
Do. (Western), 7% A Prefd. Ord. ...	27 6	23 0	24 6
Borax Consolidated Defd. ...	172 0	82 6	172 0
British Drug Houses, 5s. ...	17 4½	11 0	14 0
Cussons, Sons & Co., 2s. ...	7 10½	6 0	6 3
Dubarry Perfumery, 1s. ...	1 6	9	1 0
Dufay, 2s. ...	1 2	4	9
Evans Medical Supplies, 5s. ...	8 10½	5 9	7 6
Gee, Arnold M., 1s. ...	2 4½	1 7½	1 9
Glaxo Laboratories, 10s. ...	42 9	28 1½	34 0
Do. 8% Prefd. Ord. 10s. ...	16 3	12 9	14 3
Greeff Chemical Holdings, 5s. ...	21 3	13 6	18 4½
Howards & Sons ...	16 3	14 4½	15 0
Ilford, 5s. ...	18 7½	13 6	15 3
Monsanto Chemicals, 5s. ...	38 6	24 10½	28 0
Reckitt & Colman Holdings ...	46 1½	34 0	43 0
Sangers, 5s. ...	17 6	12 3	15 6
Savory & Moore 5½% Red. Cum. Pref. ...	19 9	17 0	17 6
Southalls (Birmingham), 5s. ...	10 3	7 3	7 9
Taylors (Cash Chemists) Lon- don, 6% Cum. Pref. ...	23 7½	18 0	19 0
Do. Trust 6% Cum. Pref. ...	23 9	18 6	19 0
Whites (Timothy) & Taylors, 5s. ...	35 0	24 3	28 4½
Do. 7½% Pref. ...	30 4½	23 0	25 6
Yardley & Co., 4s. ...	38 6	28 6	28 6
Do. A. 4s. ...	38 9	26 9	27 10½
Do. 4½% Pref. ...	18 7½	16 4½	16 10½
Do. 5½% Pref. ...	22 9	18 3	18 9



## Children like it... worms don't

One week's treatment with 'Antepar' Elixir is usually sufficient to eradicate threadworms. A single dose clears roundworms from the gut. Effective without fasting, purging or supporting measures, 'Antepar' acts by paralysing the worms—they are then expelled by normal peristalsis.

'Antepar', the original elixir of piperazine, is well tolerated by patients of all ages. Its pleasant taste is popular with children. Containing piperazine citrate equivalent to 500 mgm. of piperazine in each fluid drachm, 'Antepar' is supplied in bottles of 4 fl. oz. and 20 fl. oz.



## 'ANTEPAR' ELIXIR



BURROUGHS WELLCOME & CO. (THE WELLCOME FOUNDATION LTD.) LONDON

Associated Houses: AUCKLAND BOMBAY BUENOS AIRES CAIRO CAPE TOWN DUBLIN KARACHI MONTREAL NEW YORK RIO DE JANEIRO SYDNEY

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**REWARD FOR ORDERING EARLY**

## OFFER

**On orders booked before May 1st**

Orders totalling **120 oz.** qualify for  
 $2\frac{1}{2}\%$  discount off Trade Price  
*for example*  
 $(12 \times 4\text{-oz.} + 12 \times 6\text{-oz.})$   
*or*  
 $(12 \times 4\text{-oz.} + 6 \times 6\text{-oz.} + 3 \times 12\text{-oz.})$

Orders totalling **240 oz.** qualify for  
 $5\%$  discount off Trade Price  
*for example*  
 $(24 \times 4\text{-oz.} + 24 \times 6\text{-oz.})$   
*or*  
 $(24 \times 4\text{-oz.} + 12 \times 6\text{-oz.} + 6 \times 12\text{-oz.})$



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*A subsidiary company of Imperial Chemical Industries Limited*

Ph.612T



## TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

**LONDON, JANUARY 4:** Prices in the CRUDE DRUGS and ESSENTIAL OILS markets were scarcely tested during the past week. In common with their counterparts in many overseas countries, brokers did not open for business on January 2. Manufacturers announced a number of PHARMACEUTICAL CHEMICAL price changes, including a £12 10s.-per-ton cut in GLYCERIN and a £4-per-ton increase in all grades of ZINC OXIDE.

ALOES remained in fairly short supply although there were a few offers from origin, business being done with the Continent at 30s. per cwt., c.i.f., and another small parcel of prime was offered at 310s. c.i.f. GUM ACACIA for shipment was easier with the approach of the new crop. IPECACUANHA prices were steady but there was little interest on the part of buyers. Some block LIQUORICE JUICE quotations showed an easier tendency, but GENTIAN continued a firm market. More activity was noted in PEPPER and the prices were firm throughout.

As well as zinc oxide and glycerin mentioned above, prices changes for pharmaceuticals included a halfpenny per lb. rise in BARIUM SULPHATE, x-ray quality. RESERPINE quotations show an easier tendency.

Among ESSENTIAL OILS, CITRONELLA was three-halfpence per lb. lower for shipment but Formosan oil was firmer by threepence per lb. Chinese ANISE is rather short on the spot although the former price level is maintained. Chinese PEPPERMINT was again weaker the spot prices being about ninepence per lb. lower at 32s. 9d. CASTOR OIL was increased by £5 per ton.

### Pharmaceutical Chemicals

**AMIDOL.**—Quotations for 1-cwt. lots are 20s. per lb.

**AMYLOBARBITONE.**—B.P.C. is 65s. per lb. for 1-cwt. lots and SODIUM, B.P.C., 70s. per lb.

**ANTIMONY SALTS.**—Quotations for POTASSIUM TARTRATE, B.P., are 7s. 6d. per lb. for 1-10 cwt. and SODIUM TARTRATE, B.P., 13s. 3d.

**BARBITONE.**—Rate per lb. for 1-cwt. lots is 24s. per lb. The SODIUM derivative is 24s. 6d. per lb.

**BARIUM SULPHATE.**—Dearer. 1-cwt. lots of B.P. (x-ray) are now 1s. 6½d. per lb. and 5-cwt., 1s. 5½d. per lb.

**BENZAMINE.**—In 16-oz. lots LACTATE is 15s. 3d. per oz. and HYDROCHLORIDE, 16s. 3d. per oz.

**BENZOCAINE.**—Minimum price for B.P. is 20s. 6d. per lb.

**BENZOIC ACID.**—1-cwt. lots are 2s. 11½d. per lb. The SODIUM SALT is 2s. 9½d. per lb. in 1-cwt. lots.

**CAFFEINE.**—For 1-cwt. lots, ALKALOID, B.P. is 21s. 3d. per lb.; ANHYDROUS ALKALOID, 22s. 3d.; and CITRATE, 14s.; SODIUM IODIDE, 24s. 9d.

**CALAMINE.**—1-cwt. lots are 1s. 10½d. per lb.; 10-cwt., 1s. 9d.

**CALCIUM CHLORIDE.**—B.P. crystals are 87s. per cwt. in 1-cwt. lots.

**CALCIUM SUCCINATE.**—Quotations are from 10s. 6d. to 12s. 6d. per lb., as to quantity. SUCCINIC ACID is from 10s. 6d. to 12s. 3d. per lb.

**CHALK.**—Prepared powder, B.P., is £22 per ton for minimum 1-ton lots.

**CREOSOTE.**—B.P. quality ex beechwood, is from 6s. 9d. to 7s. 6d. per lb.

**CYCLOBARBITONE.**—B.P.C. and CALCIUM derivatives in 1-cwt. lots are 62s. 6d. per lb.

**DICOPHANE (DDT).**—Prices are as follows:—1-cwt. lots, 3s. 2d. per lb.; 1-ton, 2s. 11d.

**DIPHENAN.**—Prices range from 55s. 3d. (56-lb.) to 63s. (1-lb.) per lb.

**EPHEDRINE.**—In 100-oz. lots ALKALOID is 7s. per oz.; HYDROCHLORIDE and SULPHATE, 4s. 3d. per oz.

**FERROUS GLUCONATE.**—B.P.C. is 6s. 6d. per lb. in 1-cwt. lots.

**FORMALDEHYDE.**—B.P. solution is 37s. 3d. per cwt. for 4-cwt. lots including free drums.

**GLYCERIN.**—Lower from January 1. Rates for pharmaceutically pure are now as follows:—

Minimum deliveries off contract of	Under 1-cwt.	1-cwt. and under 5-cwt.		5-cwt. and under 1 ton		1 ton and under 5 tons		5 tons and under 25 tons		
		1-cwt.	1-cwt.	1-cwt.	5-cwt.	10-cwt.	s. d.	s. d.	s. d.	
TINS	—	—	—	—	—	—	—	—	—	
14-lb.	288	6	284	0	280	0	275	6	273	0
28-lb.	286	6	282	0	278	0	273	6	271	0
56-lb.	282	6	278	0	274	0	269	6	267	0
DRUMS	—	—	—	—	—	—	—	—	—	
1-cwt.	—	262	0	258	0	253	6	252	0	
2½-cwt.	—	259	0	255	6	251	0	249	6	
5-cwt.	—	—	—	255	0	250	6	249	0	
10-cwt.	—	—	—	254	0	250	6	248	6	

Pale straw industrial glycerin s.g. 1·260 is 5s. per cwt. less than the above.

**GLYCEROPHOSPHATES.**—Rates per lb. for 1-cwt. lots are as follows:—ACID, B.P.C., 20 per cent., 5s. 9d.; CALCIUM, soluble B.P.C., 11s. 9d.; IRON, B.P.C., scale, 15s. 9d. and powder, 14s. 9d.; MAGNESIUM, soluble, B.P.C., 14s. 3d., and insoluble, 7s. 6d.; MANGANESE, B.P.C., 26s. 3d.; POTASSIUM, 50 per cent., B.P.C., 3s. 9d. and 75 per cent., B.P.C., 5s. 6d.; SODIUM, 50 per cent., B.P.C., 3s. 1d. and 75 per cent., B.P.C., 4s. 6d.

**HEXOBARBITONE.**—In 1-cwt. lots the price is 50s. per lb.

**IODIDES.**—The current quotations are given below:—

IODIDE	per lb.	Quantity
	s. d.	
AMMONIUM ...	22 0	28 lb.
ARSENIC TRI- ...	47 6	28 lb.
CADMIUM ...	22 6	28 lb.
CALCIUM (PLATES) ...	22 3	28 lb.
ETHYL ...	27 6	28 lb.
LITHIUM ...	29 0	28 lb.
POTASSIUM ...	13 7	1 cwt.
SODIUM ...	16 7	1 cwt.
STRONTIUM ...	23 0	28 lb.
ZINC ...	27 9	7 lb.

**LITHIUM SALTS.**—Current minimum rates (5-cwt.) are as follows:—BENZOATE, 11s. per lb.; CARBONATE, B.P.C., 11s. 3d.; CHLORIDE (commercial), 10s. 9d. to 11s.; HYDROXIDE, 9s. 9d.; CITRATE, B.P.C., 9s.; SULPHATE, 8s. 6d.; SALICYLATE, 9s. 9d.; (10-cwt.), delivered.

**METHYL PHENOBARBITONE.**—B.P. is 43s. per lb. in 1-cwt. lots.

**OPIATES.**—Home trade rates for 4-oz. up to 7-oz. lots including container (non-returnable) are as follows:—CODEINE—alkaloid, hydrobromide, iodide, 58s. 6d. per oz. (2,063s. per kilo); hydrochloride, sulphate, 51s. 3d. (1,808s.); phosphate, 44s. 9d. (1,578s.). DIAMORPHINE—Alkaloid, 60s. 3d. per oz. (2,125s. per kilo); hydrochloride, 54s. 9d. (1,931s.). ETHYL-MORPHINE—Alkaloid, 63s. per oz. (2,222s. per kilo); hydrochloride, 53s. 9d. (1,896s.). MORPHINE.—Alkaloid, bimeconate, tartrate, 60s. 6d. per oz. (2,134s. per kilo); acetate, hydrochloride, sulphate, hydrobromide, 50s. 3d. (1,773s.).

**PARAFFINS.**—Prices to wholesale distributors are:—Liquid : HEAVY, B.P., £100 17s. 6d. per ton; LIGHT, B.P., £83; Technical White oils, £70 10s. for the LIGHT and £84 for the MEDIUM, all in 40-55 gall. returnable loaned drums, delivered U.K. Soft : WHITE, medium consistency is now £97 15s. per ton, WHITE, soft consistency, £95 10s., and YELLOW, £75 10s., all B.P., in non-returnable drums delivered. Hard : Melting point 135/140° F. is £84 12s. 6d. and 145/150° F. £85 12s. per ton, in minimum 1-ton lots.

**PHENOBARBITONE.**—1-cwt. lots are 24s. 6d. per lb.; SODIUM is 6d. per lb. more than above rates.

**RESERPINE.**—Price per gm. for 25-gm. lots is 94s. 6d. and for 100-gm., 88s. 6d.

**ROCHELLE SALT.**—Rates (per cwt.) for powder or granulated material are as follows:—In 5-cwt. lots or over, 200s. per cwt.; 1-cwt., 202s. 6d. SEIDLITZ POWDER ordinary strength is 160s. 6d. per cwt. in 1-cwt. lots; smalls, from 2s. to 2s. 3d. per lb. Extra strong is 172s. 6d. per cwt., and from 2s. 1d. to 2s. 4d. per lb. for small quantities. Double-strength is 180s. per cwt.; smalls, 2s. 2d. to 2s. 5d. per lb.

**SULPHACETAMIDE.**—Quotations (per lb.) for 1-cwt. lots are 24s. 6d. The SODIUM DERIVATIVE is 30s.

**SULPHAGUANIDINE.**—Manufacturers' rates for 1-cwt. lots are about 14s. 6d. per lb.

**SULPHANILAMIDE.**—Manufacturers' rates are from 6s. 3d. per lb.

**SULPHATHIAZOLE.**—Price (per lb.) for 1-cwt. lots is 16s. 6d.

**THEOBROMINE.**—Alkaloid is 28s. 6d. per lb. for 1-cwt. lots and the SODIUM SALICYLATE, 19s. 3d. per lb.

**ZINC OXIDE.**—Dearer. Rates for B.P. quality are now: 2-ton lots, £135 per ton; 1-ton, £136; 5-cwt., £138; under 5-cwt., £141 delivered.

### Crude Drugs

**ANISEED (STAR).**—Chinese is in limited supply at 160s., duty paid, with c.i.f. quotations at 137s. per cwt.

**ALOES.**—Prime Cape on the spot is 330s. per cwt. A parcel for shipment is offered at 310s. c.i.f.

**ASAFOETIDA.**—Persian block is from £10 to £14 per cwt., duty paid, as to quality.

**BALSAMS.**—Quotations (per lb.) are:—Canada: spot offers are 20s. Copaiba, soluble, 8s., duty paid. Peru, 10s., duty paid and for shipment at 8s. 9d. c.i.f. Tolu (genuine as imported) is 25s. 6d.; B.P. is 17s. 6d., spot.

**BUCHU.**—Rounds are unobtainable. No offers of new-crop for shipment yet.

**CASCARA SAGRADA.**—American peel is 260s. per cwt., duty paid with shipment quoted at 230s. c.i.f.

**CHILLIES.**—Mombasa spot supplies offered at 375s. per cwt. Sierra Leone are 290s., Mombasa for shipment, 340s., c.i.f.

**GENTIAN.** — Firm. French natural root on the spot is 130s. per cwt. with shipment at 125s., c.i.f.

**GUM ACACIA.** — Kordofan cleaned sorts on the spot are 140s. per cwt. and prompt shipment, 128s., c.i.f. New-crop, January-March shipment, 128s., c.i.f.

**HENNA.** — Whole leaf: Indian is 90s. per cwt. for the green; Egyptian, 100s.

**HYDRASTIS.** — Root is from 18s. to 19s. 6d. per lb., on the spot.

**IPPECACUANHA.** — Steady. Nicaraguan is offered for shipment at about 63s. per lb., c.i.f., February delivery; Colombian at 49s. 6d., c.i.f. Spot Colombian is 54s.; Nicaraguan, 65s.; Matto Grosso, 57s. 6d.

**JALAP ROOT.** — Vera Cruz, powdered, is offered at 4s. 6d. per lb.; no offers of whole root. Brazilian, 12·6 per cent., is quoted at 2s.

**KOLA NUTS.** — Jamaican are offered at about 8d. per lb., spot.

**LANOLIN.** — In 1-ton lots the price of ANHYDROUS, B.P., is from 160s. to 165s. per cwt.; 5-cwt. lots from 162s. to 167s. per cwt. HYDROYS, B.P., is from 140s. to 142s. for similar quantities. All in drums, carriage paid, U.K.

**LIQUORICE.** — Quotations (per cwt.) for natural root are: Anatolian, 65s.; Russian, 47s. 6d. to 55s.; Persian, 35s. Block juice is from 200s. per cwt., on the spot. Italian stick from 310s. to 475s. per cwt., duty paid.

**LYCOPODIUM.** — Supplies of Russian triple-sifted on the spot are quoted at 7s. 3d. per lb. in bond and 8s. duty paid. Forward prices are 5s. 6d. to 7s. 6d., c.i.f., as to position.

**MACE.** — West Indian pale blade on the spot is 23s. per lb.

**MENTHOL.** — Chinese is 48s. per lb., duty paid, and from 43s. 9d. to 45s., c.i.f., as to position. Brazilian is 46s. 6d., duty paid.

**MYRRH.** — Aden selected sorts are cleared on the spot.

**PEPPER.** — More active. White Sarawak on spot is 3s. per lb. and for January shipment up to 2s. 11d., c.i.f., has been paid. Black Sarawak is 2s. 2d. per lb., spot. Very little interest shown in January shipment at 2s. 1½d., c.i.f. Black Malabar is 325s., per cwt., spot and January shipment 275s., c.i.f.

**PODOPHYLLUM.** — *Emodi* is quoted at 150s. per cwt., ex wharf. *Peltatum* is firm at 430s. on the spot with no shipment offers.

**PSYLLIUM.** — Indian seeds are quoted at 1s. 1d. to 1s. 2d. per lb. on the spot.

**QUILLAIA.** — Spot offers of bark are about 225s. per cwt. with shipment from 190s., c.i.f.

**RAUWOLFIA.** — *Serpentina* is 6s. per lb. on the spot and 3s. 9d., c.i.f. *Canescens* is 1s. 6d. per lb., spot.

**RHUBARB.** — Quotations are from 7s. 6d. to 9s. 6d. per lb. as to quality. A parcel of Chinese *Rhapontica* is offering at 85s. per cwt., duty paid.

**SEEDS.** — (Per cwt.). **ANISE.** — Tunisian unchanged at 250s., duty paid. **CARAWAY.** — Dutch offering at 150s., duty paid. **CELERI.** — Indian in poor demand, sellers quoting 130s. on spot. **CORIANDER.** — Spot, Moroccan is 95s., duty paid nominal and 87s. 6d., in bond. Rumanian or Danubian, 67s. 6d., duty paid. Shipment, Moroccan is easier with sellers quoting 71s., c.i.f. **CUMIN.** — Small business reported. Spot, Cyprian, 132s. 6d.; Moroccan, 135s., duty paid. Iranian, 125s., duty paid. Shipment, Cyprian, 116s., c.i.f., quoted. **DILL.** — Indian quoted at 65s. on spot. **FENNEL.** — Indian selling at 85s. on spot, Chinese is quoted at 83s., in bond. **FENUGREEK.** — Moroccan or Indian is 75s. spot nominal. Moroccan for shipment is 61s., c.i.f. **MUSTARD.** — English 55s. to 75s., according to quality.

**SENEGA.** — Spot is 21s. per lb. Shipment from 19s. 9d. to 21s. 6d., as to quantity and source.

**SLIPPERY ELM.** — Grinding quality bark is 2s. 7d. per lb., landed.

**SQUILL.** — White is offered on the spot at 65s. to 70s. per cwt.

**STRAMONIUM.** — Indian LEAVES are 75s. per cwt. and European 80s. on the spot.

**STYRAX.** — Spot is 5s. 8d. per lb., duty paid.

**TRAGACANTH.** — No. 1 ribbon is £175 to £180 per cwt.; No. 2, £135 to £140.

**TURMERIC.** — Madras finger on the spot is 160s. per cwt. New crop for April-May 1956 shipment is quoted at 107s. 6d., c.i.f.

**WAXES.** — **BEES'.** — Dar-es-Salaam, shipment, 600s., c.i.f., spot, 610s.; Sudanese, 595s., duty paid and 535s., c.i.f.; Abyssinian, spot, 595s., duty paid; shipment, 535s., c.i.f. **CANDELILLA.** — Landed terms are 415s. per cwt. **CARNAUBA.** — Fatty grey, spot, 455s. per cwt.; for shipment, 450s., c.i.f.; prime yellow, spot, 910s.; shipment, January—February, 850s., c.i.f.

**WITCH HAZEL LEAVES.** — Offers are 1s. 11d. to 2s. per lb. on the spot.

### Essential and Expressed Oils

**ANISE.** — Chinese is quoted at a minimum of 17s. 6d. per lb. on the spot and 16s. 10d., c.i.f.

**BAY.** — West Indian is 12s. per lb. on the spot.

**BERGAMOT.** — Spot quotations are now 67s. 6d. per lb.

**BIRCH TAR.** — Rectified is about 14s. per lb. in 1-cwt. lots.

**BOIS DE ROSE.** — Brazilian is 33s. per lb. on the spot and 29s. 6d., c.i.f.

**BUCHU.** — Spot is offered at 360s. per lb.

**CAJUPUT.** — Spot supplies are 14s. 6d. per lb. for 1-cwt. lots.

**CAMPHOR, WHITE.** — Chinese is 2s. 4½d. per lb., duty paid.

**CANANGA.** — Spot is from 55s. to 59s.

**CARAWAY.** — English-distilled is offered at 55s. and imported at 31s. 6d. per lb., duty paid.

**CASSIA.** — Original drums are about 14s. per lb. on the spot. Shipment, 13s. 6d., c.i.f.

**CASTOR.** — In minimum 2-ton lots the price of pharmaceutical quality for spot—February delivery is £144 per ton, naked ex mill.

**CEDARWOOD.** — 1-cwt. lots of American are 6s. 6d. per lb.

**CHAMOMILE.** — English oil is offered at from 240s. to 256s. per lb.

**CITRONELLA.** — Ceylon is unchanged at 6s. 6d. per lb. on the spot with shipment easier at 6s. 1½d., c.i.f.; Formosan spot is 15s., in bond, with forward at 14s. 6d., c.i.f. Java type is not quoted.

**CLOVE.** — Madagascar leaf is 9s. 6d. per lb., duty paid and 8s., c.i.f., for shipment. Rectified 87-88 per cent., 14s.; distilled bud oil, English, from 35s.; imported, 17s. 6d.

**CORIANDER.** — Russian-seed oil is quoted from 85s. to 95s. per lb.

**CUBEB.** — Spot price for small lots is 50s. per lb.

**CUMIN.** — Quotations for English-distilled oil are about 110s. per lb. and imported, 57s. 6d.

**EUCALYPTUS.** — Australian 70 to 75 per cent. eucalyptol on the spot is 5s. 8d. per lb.; 80 to 85 per cent., 6s. 4d. Spanish 70 to 75 per cent., firm at 5s. 6d., duty paid. Chinese type, 5s., duty paid.

**JUNIPER BERRY.** — Imported oils are quoted from 15s. 6d. per lb., duty paid. English-distilled is now 155s.

**HYDROCOPUS.** — Spot is about 2s. 2d. per lb.

**LAVANDIN.** — Spot is from 12s. to 15s. per lb. as to quality, for original drums.

**LAVENDER.** — Quiet. 38-40 per cent. linalol on the spot ranges from 30s. to 50s. per lb., in 5-cwt. lots, with best grades of 40-42 upwards of 72s.

**LAVENDER SPIKE.** — Spanish is offered at 13s. 6d. per lb. on the spot and 14s. for shipment.

**LEMON.** — B.P. (4 per cent. citral) on the spot is from 40s. per lb. as to grade. Californian, 28s. 6d. to 43s. 7½d., c.i.f., as to quality, subject to licence.

**NUTMEG.** — English-distilled oil is 50s. per lb. and imported available at 32s. 6d. on the spot.

**ORANGE.** — Spot quotations include: Florida at 4s. 6d. per lb.; Californian, 5s. 9d.; Jamaican, 7s. 6d. and West African, 12s. 6d. For shipment, proprietary brand Californian sweet is 6s., c.i.f., and cold-pressed, U.S.P., 9s. 3d., c.i.f., subject to licence. West African, 12s., c.i.f. Terreneless is 210s. per lb., spot.

**ORIGANUM.** — Sellers of 75 per cent. phenols at 13s. 6d. per lb.

**OTTO OF ROSE.** — Anatolian is 177s. 6d. per oz.

**PEPPERMINT.** — *Arvensis*: Chinese is 32s. 9d. per lb. on the spot and 33s., c.i.f. Brazilian, 30s., spot and 28s. 6d., c.i.f. Italian "Mitcham" type oil is from 65s., spot, and American, 42s. 6d. to 47s. 6d.

**PETITGRAIN.** — Paraguay for shipment is 23s. 6d. per lb., c.i.f., and 25s. to 26s. 6d. on the spot, as to maker.

**PIMENTO.** — English-distilled berry is 180s. per lb.; imported is scarce. Rectified leaf (imported), 27s. 6d. per lb.

**ROSEMARY.** — Spanish oil on the spot is from 5s. 1d. to 5s. 7d. per lb., duty paid, for drum lots, as to quality.

**RUE.** — Spot offers are from 14s. per lb.

**SAGE.** — Spanish is offered at from 7s. 9d. per lb.

**SANDALWOOD.** — Mysore is very scarce at 105s. per lb. on the spot. West Indian is 15s. per lb.

**SPEARMINT.** — Offers of U.S. oil for shipment are about 35s. 6d. per lb., c.i.f., with spot at 39s. 6d. Dutch quoted at 38s. 6d., duty paid, with Chinese offered at 30s.

**TANGERINE.** — Sicilian is from 39s. to 40s. per lb. on the spot; Californian is 17s. 6d.

**THYME.** — Spot is 12s. 6d. per lb. for the red, 40 per cent. phenols.

**VETIVERT.** — Bourbon in original drums on the spot is 82s. 6d. per lb.

### UNITED STATES REPORT

**NEW YORK, JANUARY 3:** The year of 1955 proved the best in the history of the American chemical industry, and present indications are that the New Year should at least continue the record pace of production and sales to the end of the first half, if not throughout the whole of the year. The leading supplier reported a drop to \$8 per gm. for RESERPINE. SYNTHETIC GLYCERIN advanced one cent per lb. on January 1 in less than tank-car lots making the price 31½ cents. Brazilian MENTHOL eased off to \$7·25 per lb.; Japanese at \$9 was up 25 cents. CRUDE DRUGS were quiet, with COPAIBA BALSAM down five cents to 75 cents a lb. HELIOTROPINE was lower at \$3·75 per lb., down 30 cents, while CHENOPODIUM OIL declined by 15 cents to \$3·20 per lb.

## WORLD TRADE

**Turkish Mercury Exports.**—Turkey recently exported 300 flasks of mercury, the countries of destination being the United Kingdom, the United States and West Germany.

**French Duty on Dyes Suspended.**—Trade sources believe that the French Finance Ministry will soon suspend customs duties on foreign made dyes in order to help the French textile industry to reduce prices.

**Franco-Polish Trade.**—The *Journal Officiel* has announced the opening of certain import quotas provided under the Franco-Polish trade agreement for the period to November 30. The quotas include essential oils and pharmaceutical products.

## ITALIAN DRUGS BILL

### Sweeping changes proposed

THE draft of a new Bill regularising the manufacture, sale and import of pharmaceuticals in Italy is expected to be strongly contested when it comes before that country's Parliament in the present session. Among the most controversial items are the proposed banning of all advertising for medicines, except in professional publications, and the limitation of authorised proprietary medicines.

*Article 10* bans the sale of any unlicensed pharmaceuticals. The manufacturer must be provided with "adequate scientific knowledge and technical equipment" for the purpose. *Article 11* defines proprietary medicines and states that a proprietary name must bear, as a sub-title, "a type name which is registered, together with the proprietary name in the national index." *Article 12* limits the number of "equivalent" products. Products that are similar in principal ingredients and medicinal action may be granted a proprietary name until their number attains five. A further five may be licensed but only to manufacturers in Italy. Fifteen years after the licensing of the first "equivalent" product further licences may be granted subject to certain conditions.

*Article 14* deals with the packing of pharmaceuticals and among other things states that the outside label must bear the date of manufacture and where necessary an expiry date. The packaging leaflet must have its wording approved by the High Commission for Health and Hygiene (A.C.I.S.).

Retail prices are to be fixed by A.C.I.S. at the time of registration and subsequent changes must also be approved. The retail price must be shown on the label (*Article 24b*). The right is taken to subject imported products to tests.

Pharmacists buying from a wholesaler must have a discount of not less than 25 per cent. of the full retail price, the wholesaler's discount being 7 per cent.

Publicity in any form is forbidden except in medical and pharmaceutical periodicals. (*Article 34*.) Within six months of the publication of the first edition of the national register the labels of all proprietary medicines already on the market must be amended to show the "type" name. (*Article 41b*.)

## COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

### Monday, January 9

ENFIELD CHEMISTS' ASSOCIATION, A. R. Cross, Ltd., 476 Hertford Road, Enfield, at 7.30 p.m. Visit to developing and printing works.

NOTTINGHAM BRANCH, PHARMACEUTICAL SOCIETY, Reform Club, Victoria Street, Nottingham, at 7.30 p.m. Members' night. Mr. K. Brooke on the history of the Branch; Mr. A. W. Bull on "A Spanish Bullfight" (illustrated with colour slides); Mr. J. F. Ruff on "Tropical Fish."

PESTICIDES GROUP, SOCIETY OF CHEMICAL INDUSTRY, chemistry lecture theatre, Imperial College, London, S.W.7, at 10 a.m. and 2.15 p.m. Joint meeting with the Association of Applied Biologists. Symposium on "Resistance to Insecticides."

PLYMOUTH BRANCH, PHARMACEUTICAL SOCIETY, lecture room, Freedom Fields Hospital, Plymouth, at 7.30 p.m. Discussion on Branch resolutions.

READING BRANCH, PHARMACEUTICAL SOCIETY, Technical College, Reading, at 8 p.m. Talk on "Biological Assays."

SOUTHAMPTON BRANCH, PHARMACEUTICAL SOCIETY, Polygon hotel, Southampton, at 7.30 p.m. Mr. J. C. Bloomfield (a member of the Society's Council) on "Matters of Moment."

UNIVERSITY OF LONDON, London School of Hygiene and Tropical Medicine, Keppel Street, Gower Street, London, W.C.1, at 5.15 p.m. Professor C. De Duve (professor of physiological chemistry, University of Louvain) on "Intracellular Distribution Patterns of Enzymes" (second of two lectures).

WATFORD AND ST. ALBANS BRANCH, PHARMACEUTICAL SOCIETY, Ovaltine laboratories, King's Langley, at 8 p.m. Dr. J. W. Fairbairn (head of the pharmacognosy department, School of Pharmacy, University of London) on "A Year in America."

### Tuesday, January 10

GUILDFORD BRANCH, PHARMACEUTICAL SOCIETY, South-western hotel, Station Road, Aldershot, at 7.30 p.m. Mr. D. P. Ayres (Ilford, Ltd.) on "Colour Photography."

HOUNSLAW BRANCH, PHARMACEUTICAL SOCIETY, Sun hotel, Hanworth Road, Hounslow, at 8 p.m. Mr. V. D. B. Howard on "Colour Photography."

KENT SUBSECTION, ROYAL INSTITUTE OF CHEMISTRY, Technical College (Mayfield hall annexe), Pelham Road, Gravesend, at 7 p.m. Mr. J. L. Putman, M.A., F.Inst.P., on "Radioactive Techniques in Industry and Research."

NORTH LONDON PHARMACEUTICAL ASSOCIATION, Beale's restaurant, Holloway Road, London, N.7, at 7.45 p.m. National Pharmaceutical Union meeting.

NORTH STAFFORDSHIRE BRANCH, PHARMACEUTICAL SOCIETY, and NORTH STAFFORDSHIRE DIVISION, BRITISH MEDICAL ASSOCIATION, North Stafford hotel, Stoke, at 8 p.m. Sir Hugh Linstead (a secretary of the Pharmaceutical Society) on "N.H.S. Questions Touching the General Practitioner and the Pharmacist."

SOUTH-EAST METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, New Cross Inn, 323 New Cross Road, London, S.E.14, at 8 p.m. Mr. C. L. Clarke (Kodak, Ltd.) on "It's My Hobby Too" (photographic lecture)

TEES-SIDE BRANCH, PHARMACEUTICAL SOCIETY, Cleveland Scientific and Technical Institution, Corporation Road, Middlesbrough, at 7.30 p.m. Meeting to consider resolutions for the Branch Representatives' meeting in London in May.

### Wednesday, January 11

BIRMINGHAM PHARMACEUTICAL ASSOCIATION, Botanical Gardens, Edgbaston, at 8 p.m. Buff dance. Ticket 12s. 6d. from Mr. W. F. Norris, 270 Warwick Road, Olton, Birmingham, 27.

GLASGOW AND SOUTH-WESTERN SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY, Craig's restaurant,

142A St. Vincent Street, Glasgow, C.2, at 7.45 p.m. Students' night. Joint panel. Question time.

MANCHESTER PHARMACEUTICAL ASSOCIATION, Grand hotel, Manchester, at 6.30 p.m. President's evening. Dinner, whisky drive and dance.

MERSEYSIDE BRANCH, NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, Rendezvous restaurant, Tarleton Street, Liverpool, at 5.45 p.m. Tea, followed by theatre visit.

MICROBIOLOGY GROUP, SOCIETY OF CHEMICAL INDUSTRY, Institution of Civil Engineers, Great George Street, London, S.W.1, at 10.45 a.m. Papers on "Anaerobes."

MIDLANDS SECTION, SOCIETY FOR ANALYTICAL CHEMISTRY, main chemistry theatre, Department of Chemistry, Birmingham University, Edgbaston, Birmingham, at 7 p.m. Dr. J. C. Tatlow on "Gas Chromatography" and Dr. A. B. Foster on "Ionophoresis."

### Thursday, January 12

BEDFORDSHIRE BRANCH, PHARMACEUTICAL SOCIETY, George hotel, Luton, at 7.30 p.m. New Year social. Ticket 7s. 6d. from Mr. T. Howells, 31 Tavistock Street, Bedford, or Mr. S. E. Morgan, 119A Stuart Street, Luton.

BOURNEMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Linden Hall Hydro, Bournemouth, at 7.30 p.m. National Pharmaceutical Union branch meeting. Mr. M. Fay, M.P.S., on "American Pharmacy as I Saw It."

BRADFORD BRANCH, PHARMACEUTICAL SOCIETY, Victoria hotel, Bradford, at 7.45 p.m. Mr. C. W. Mapleton (chairman of the Society's Education Committee) on "Pharmaceutical Education."

BRISTOL BRANCH, PHARMACEUTICAL SOCIETY, lecture theatre, department of surgery, Bristol Royal Infirmary, at 7.15 p.m. Dr. W. A. Gillespie (a lecturer in clinical bacteriology) on "Immunisation to Virus Diseases."

LEEDS BRANCH, PHARMACEUTICAL SOCIETY, Metropole hotel, Leeds, at 7.45 p.m. Meeting.

PORTSMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Royal Beach hotel, Southsea, at 7.30 p.m. Mr. L. J. Chamberlain on "History of Pharmacy."

SCARBOROUGH BRANCH, PHARMACEUTICAL SOCIETY, Palm Court hotel, Scarborough, at 7.30 p.m. "Forget Pharmacy" night. Film show, etc.

WEMBLEY BRANCH, PHARMACEUTICAL SOCIETY, Railway hotel, 529 High Road, Wembley, at 8 p.m. Address by Dr. Francis Camps (Home Office pathologist).

### Friday, January 13

SOCIETY OF COSMETIC CHEMISTS, Café Royal, Regent Street, London, W.1, at 7 p.m. Annual dinner and dance. Ticket 30s. from Mr. F. Riley, 140 Park Lane, London, W.1.

## ADVANCE INFORMATION

A MIDDLE EAST PHARMACEUTICAL CONFERENCE is being held at Beirut, Syria, May 10-13. Communications to Mr. Charles Abou-Chaar, American University, Beirut.

## TRADE MARKS

### APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," December 21

For chemical substances for use in the manufacture of varnishes and lacquers (1)

OCTA-SOLIGEN, 732,675, by Farbwerke Hoechst, A.G., vormals Meister Lucius & Bruning, Frankfurt-am-Main, Hoechst, Germany.

For fertilisers (1)

FISONS 31, 737,253, by Fisons, Ltd., Felixstowe, Suffolk.

For chemical substances for treating yeast used in manufacturing processes (1)

VIT, 743,227, by Powell & Scholefield, Ltd., Liverpool.

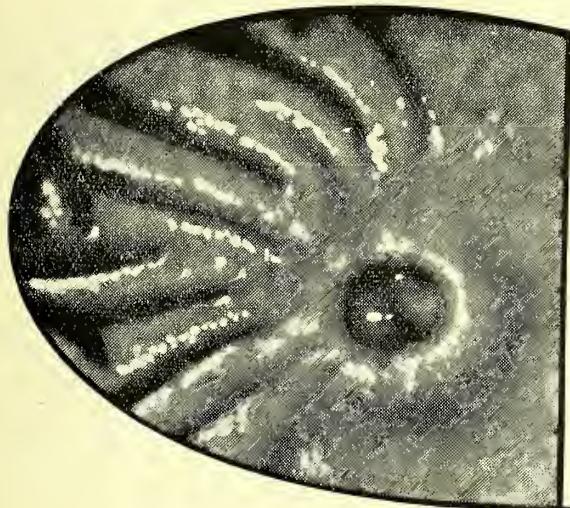
For catalysts (1)

HYDROBON, 743,476, by Universal Oil Products Co., Des Plaines, Illinois, U.S.A.

# C. & D. WEEKLY LIST OF PRICES

A=Advanced; R=Reduced; I.R.P.=Inclusive Retail Price; \*=Tax 30 per cent.; †=Tax 90 per cent.

<b>ABBOTT LABORATORIES, LTD.</b> (from January 2)	I.R.P.	500	22 9 R	(100 mgm.) 3 x 2 c.c.	14 6	21 9 R
Nembutal capsules $\frac{1}{2}$ gr.		50 mgm.	25	3 9 R	6	28 0
100		100	12 0 R	9 9 R	70 6	42 0 R
500		54 0 R	500	43 3 R	12	55 4
Martin transfusion pump	Each	2 littre	20 0	9 6 A	50	224 8
Boots PURE DRUG CO., LTD. (from December 21)	Boots	25 mgm.	25	2 0 R	100	337 0 R
Pethidine tablets	Boots	100	3 4	5 0 R	446 8	670 0 R
500		500	15 2	22 9 R	100	
50 mgm.		25	2 6	3 9 R	1,000	
100		100	6 6	9 9 R	270 0	
500		28 10	43 3 R	Izalmints*	1,000	
from December 28, 1955:					25 mgm.	25
Covering cream†		1 6	3 7½ A	9 0 A	17 4	26 0 R
		4 5½	10 9 A	1 0 A	100	66 0
		13 5	32 3 A	1 0 A	500	326 0
Neoker* 6 oz.		8 8	14 1½ A	1 0 A	1,000	489 0 R
from December 30, 1955:					50 mgm.	25
Vikastab injection of potassium menaphthosulfate 50 x 1 c.c.		13 6	18 0 R	1 0 A	1,000	976 0 R
BRITISH ALKALOIDS, LTD. (from January 2)		T.C.P.*	1 10 A		50 mgm.	25
		3 10½ A			100	32 6
CIBA LABORATORIES, LTD. (from January 9)		Serpasil tablets	0·1 mgm.	2 0 R	100	48 0
			100	5 9 R	500	99 0 R
			500	26 0 R	500	
		0·25 mgm.	25	3 9 R	10 mgm.	3
			100	12 9 R	3 4	5 0 R
			500	60 0 R	6	5 10
		1 mgm.	100	42 0 R	12	8 9 R
			500	200 0 R	25	16 0
		4 mgm.	100	124 0 R	32	24 0 R
			500	600 0 R	12	31 0
Femandren Linguels	25		4 6 R	25	64 0	
			100	12 9 R	100	246 8
			500	57 9 R	300	370 0 R
		1,000	112 6 R	10 c.c. 50 mgm.	22 6	
Perandren ampoules	1 c.c. 5 mgm.	3	3 6 R	2 c.c. 100 mgm.	33 9 R	
		6	6 0 R	2 c.c. 100 mgm.	21 9 R	
		25	21 0 R	6	28 0	
		50	37 6 R	12	42 0 R	
		100	70 6 R	12	55 0 R	
		10 mgm.	3	5 0 R		
		6	8 9 R	25	17 4	
		25	32 3 R	500	136 0	
		50	60 0 R	25 mgm.	25	
		100	115 0 R	100	66 0	
		25 mgm.	3	8 3 R	500	326 0
		6	15 0 R	50 mgm.	25	
		25	58 6 R	100	32 6	
		50	112 6 R	100	189 0 R	
		100	220 0 R	500	626 8	
		50 mgm.	3	12 9 R	Quiescin tablets	0·1 mgm.
		6	24 0 R	25	1 4	
		25	96 0 R	100	3 10	
		50	187 0 R	500	17 4	
		100	370 0 R	0·25 mgm.	25	
		2 c.c. 100 mgm.	3	2 6	100	8 6
		6	42 0 R	500	40 0	
		25	171 0 R	500	60 0 R	
		50	337 0 R	1 mgm.	25	
		100	670 0 R	100	28 0	
Linguels and tablets	10 c.c. 50 mgm.	33	9 R	500	133 4	
		5 mgm.	25	7 2	Stenediol tablets	10 mgm.
		100	7 3 R	100	24 8	
		500	22 3 R	250	37 0 R	
		1,000	105 9 R	500	60 0 R	
		10 mgm.	25	118 0 R		
		100	12 0 R	500	90 0 R	
		25	42 0 R	50 mgm.	25	
		500	204 0 R	100	30 0	
		1,000	405 0 R	100	45 0 R	
		25 mgm.	25	47 0	100	116 0
		100	99 0 R	500	576 4	
		500	489 0 R	Quinesin tablets	3 x 1 c.c.	
		1,000	976 0 R	6	2 4	
		50 mgm.	48 9 R	12	7 0	
		100	189 0 R	50	3 0	
		500	940 0 R	100	47 0	
		1,000	1,878 0 R	12	10 10	
Protandren Linguels	25		23 3 R	50	40 0	
			88 6 R	100	76 8	
			436 0 R	(25 mgm.) 3 x 1 c.c.	5 6	
			870 0 R	6	10 0	
IMPERIAL CHEMICAL PHARMACEUTICALS, LTD. (from December 19, 1955)		500	12 9 R	12	19 2	
Avlon pethidine hydrochloride 1 gm.		100	12 0 R	50	75 0	
Avlon pethidine tablets 25 mgm.		25	2 0 R	100	146 8	
		100	5 0 R	50	12 9 R	
ALLEN & HANBURY'S, LTD.				6	16 0	
				12	30 10	
				50	124 8	
				100	246 8	
NEWTON, CHAMBERS & CO., LTD. (from January 2)		500	22 9 R	Viormone-oral tablets	5 mgm.	
		100	3 9 R	25	4 10	
		500	43 3 R	100	14 10	
				500	70 6	
				1,000	105 9 R	
				500	12 5	
				100	55 4	
				224 8	83 0 R	
				100	670 0 R	
				446 8		
ORGANON LABORATORIES, LTD.		500	22 9 R	14 6	21 9 R	
		100	3 9 R	28 0	42 0 R	
		500	43 3 R	70 6	105 9 R	
				138 8	208 0 R	
				100	12 0 R	
				270 0	120 0 R	
				1,000	204 0 R	
				500	136 0	
				1,000	405 0 R	
				500	626 8	
				1,000	940 0 R	
				1,252 0	1,878 0 R	
Price reductions of certain hormone preparations of Roussel Laboratories, Ltd., have been held over for lack of space.						
ROBINSON & SONS, LTD. (from January 2)						
				Doz.		
Mene sanitary towels	No. 0	17 7	1 11 A			
	No. 1	19 11	2 2 A			
	No. 2	23 8	2 7 A			
	No. 3	29 10	3 3 A			
	No. 4	36 0	3 11 A			
Menex sanitary towels	new X0	16 10	1 10 A			
	standard	17 7	1 11 A			
	standard (6)	9 2	1 0 A			
	popular X1/T	19 11	2 2 A			
	popular X1/S	20 8	3 3 A			
THE ARMOUR LABORATORIES (from January 2)						
				Each		
Armo-Noestrol tablets	50	2 4	3 6 A			
Multigland M 1 and M 2 tablets	100	6 0	9 0 A			
NEW PRODUCTS AND PACKS						
ALLEN & HANBURY'S, LTD.						
Euvalerol A, B, M*						
	2 litre	30 6	54 11			
Haliborange,	2 litre	31 0	41 4			
Lixen elixir*,	2 litre	25 0	41 11			
CUPAL, LTD.						
Secto DDT powder						
				1 3		
				2 6		
EVANS MEDICAL SUPPLIES, LTD.						
Louping ill vaccine 50 mils	11 0	16 6				
JOHN BELL, HILLS & LUCAS, LTD.						
				Doz.		
Lotil*		19 5	3 0			
RIKER LABORATORIES, LTD.						
				Each		
Tace capsules*	60	18 4	27 6			
	300	73 0	109 6			
SAVORY & MOORE, LTD.						
Dr. Pierre's dentifrice*						
	No. 0	35 0	5 3			
	No. 2	67 3	10 3			
P.A.T.A. PROTECTED LIST						
(Alterations notified this week by the Proprietary Articles Trade Association.)						
SCOTT & BOWNE, LTD. (new name)						
Oxydent denture cleanser*	10 5	1 1	5 6			
	18 4	2 2	2 6			
POST-BUDGET PRICES						
THOS. KERFOOT & CO., LTD.						
Marble series pastilles*	10 0	1 6 A				
W. T. OWBRIDGE, LTD.						
Owbridge's rapid action aspirins*	2 2	4 9	4 ½ A			
	4 9	7 9	1 3 ½ A			
PARKINSONS, LTD.						
Kilkof*	12 9	1 10 A				
Vitagrains*	17 4	2 6 A				
PROPAX CO.						
Pro-Pax tablets*	5	2 4	4 A			
	9	4 5	7 ½ A			
	24	11 4	1 7 ½ A			
	45	19 4	2 9 A			
ADDITION TO PROTECTED LIST						
THE OATINE CO.						
Oatine facial pack beauty mask†	17 4	3 5				
DELETIONS FROM PROTECTED LIST						
THOS. KERFOOT & CO., LTD.						
Magnoleum						
W. J. RENDELL, LTD.						
Ovastol						



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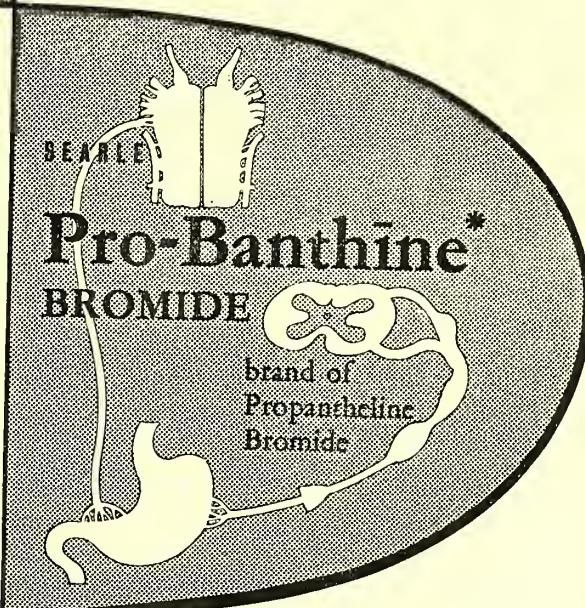
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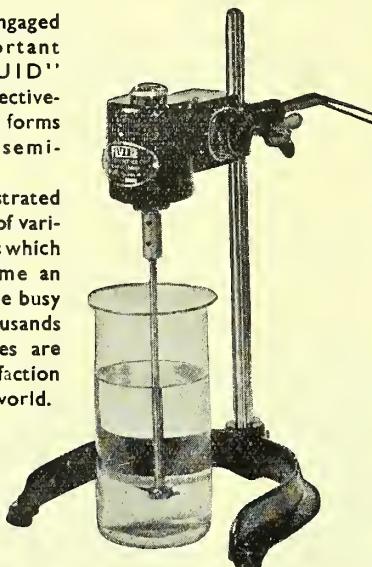
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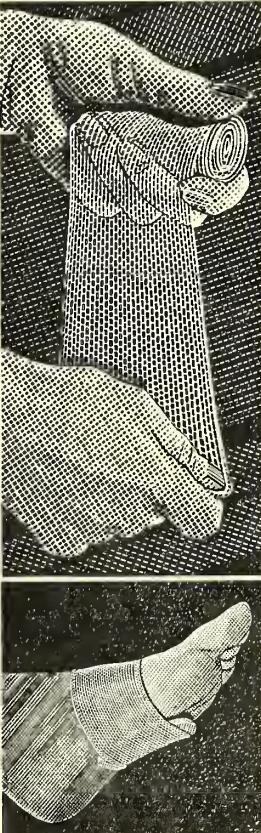
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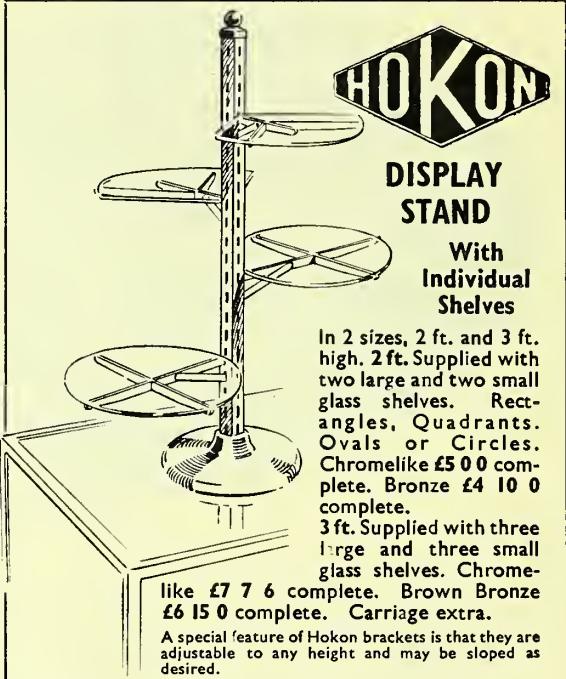
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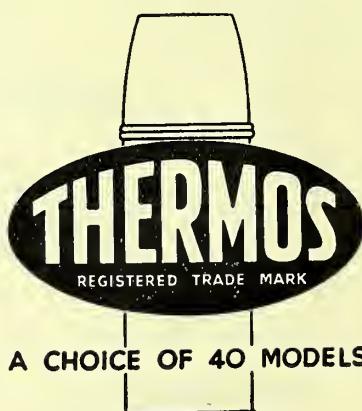
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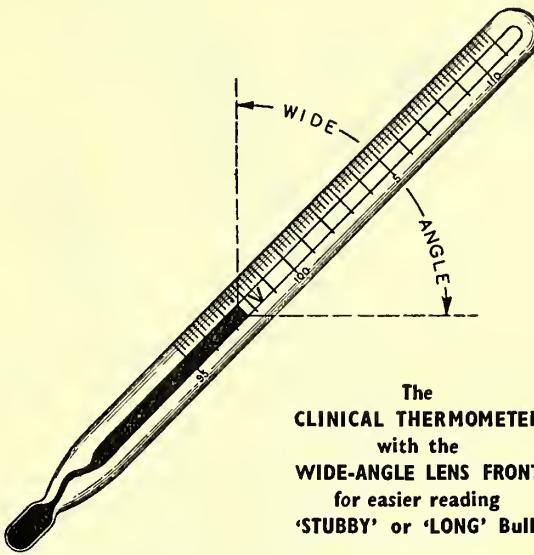
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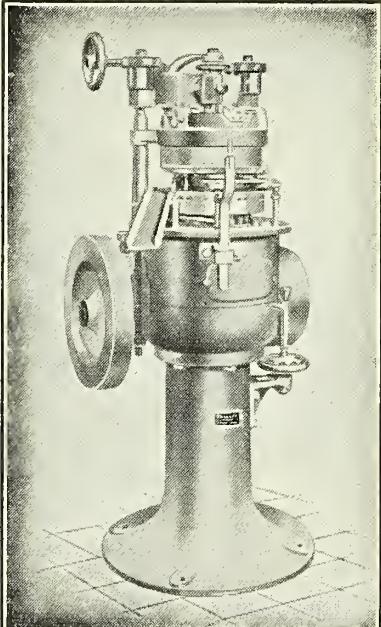
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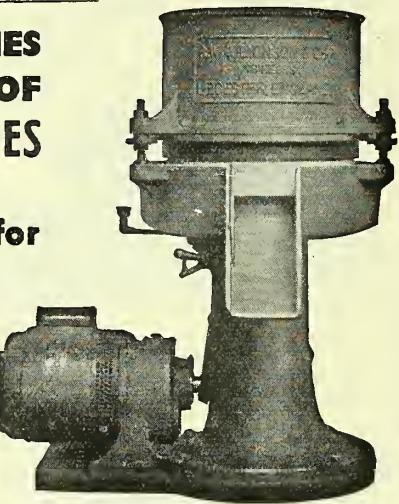


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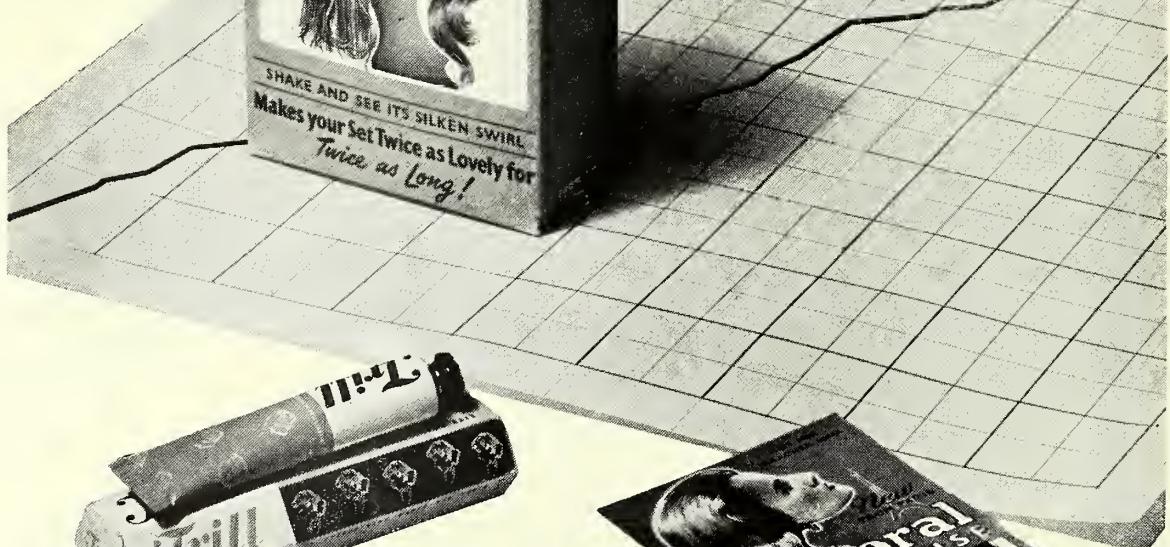
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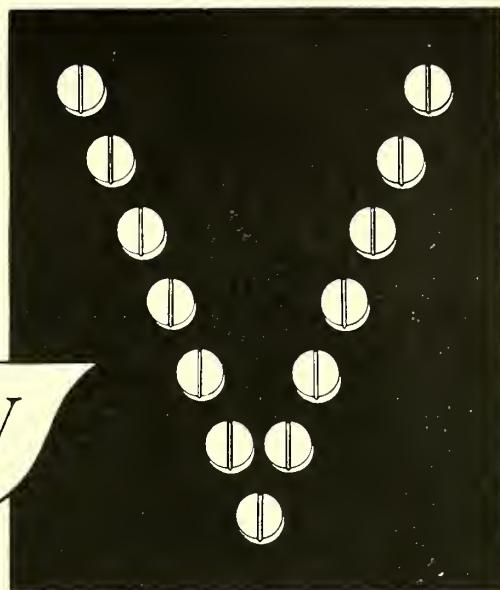
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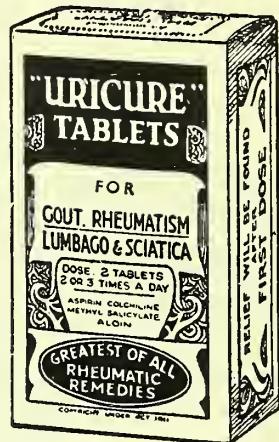
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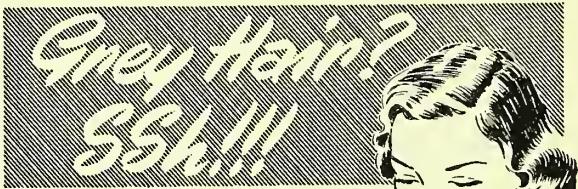
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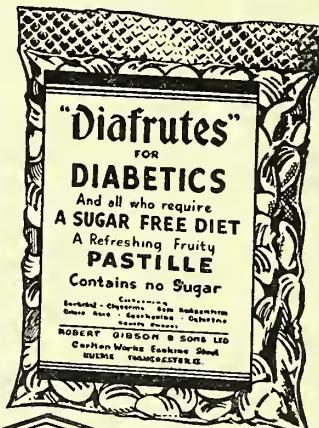
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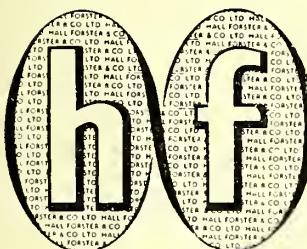
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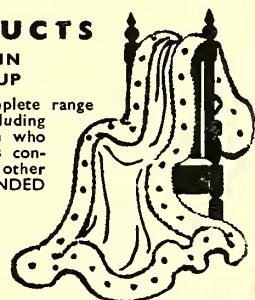
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For generations bismuth salts have been used, and in practice they have proved their worth. However, the older bismuth salts possess too little antacid power to allow of their use as the sole therapeutic agent in cases where acidity is marked.

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**Jeyes' Sanitary Compounds**  
**Company Limited**

v

**Aliamaid Products Ltd.**

ON THE 22ND NOVEMBER, 1955 in an action in the Chancery Division of the High Court of Justice brought by Jeyes' Sanitary Compounds Co. Ltd., against Aliamaid Products Ltd., Mr. Justice Wynn-Parry granted an injunction, an enquiry as to damages, and costs against the Defendants.

The Plaintiffs had complained that the Defendants had marketed a detergent labelled with a large letter "J" and with the wording "J is used for washing". "J brings back that natural brilliancy". "It's safe in J". The Plaintiffs alleged that such labels and advertisements would lead to confusion with their goods sold under their well-known Trade Mark —

**JEYES'**

*The Court also ordered the Defendants within 7 days to deliver up or destroy all offending advertisements, labels, and bottles in their possession or control.*

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1/9 carton at	16/6	16/- dozen	
3/- " "	28/6	27/3 "	
5/6 " "	52/6	50/- "	

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Prices	RETAIL	CHEMISTS
60	4/1	33/4 per doz.
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1,000	48/-	32/9 each



### VITAVEL SYRUP for the child

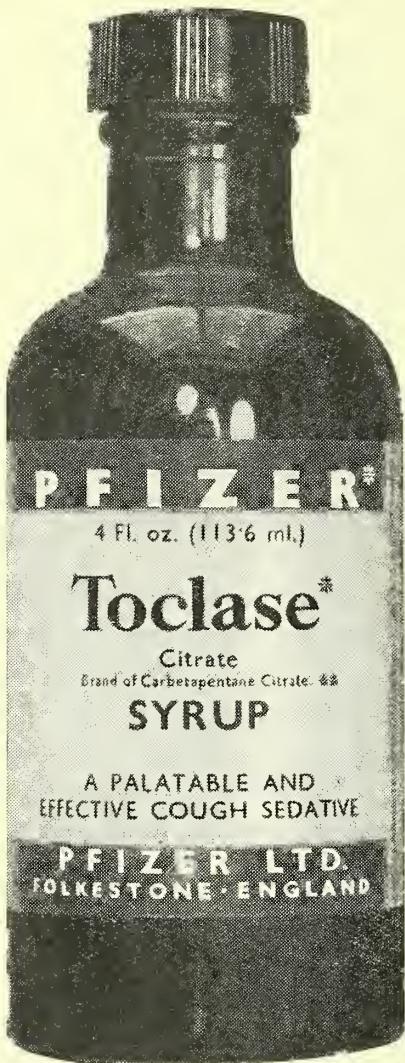
No lack of co-operation when vitamin supplementation has the delicious flavour of VITAVEL SYRUP. (A, B<sub>1</sub>, C and D).

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or not  
to cough?**

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**ENFIELD, MIDDLESEX.** Main-road shop with living accommodation to let in bold new parade of 12 shops, 11 of which have been let. No duplication of trades being permitted. Rent for whole £400 per annum on lease for 21 years. Garages available at rear. Extensive new housing development proceeding on adjacent sites. Particulars: James Neilson, Chartered Surveyors, Enfield Town. Tel.: Enfield 4040. C 3239

**URBAN DISTRICT COUNCIL OF WOKING**

**Shops at Maybury Estate, Woking, Surrey**  
 Applications are invited for tenancies of six shops and maisonettes at present in the course of erection at the Maybury Estate, Woking. Particulars and forms of application can be obtained from the undersigned to whom they must be returned in a plain sealed envelope bearing the words "Tender for shops"; such envelope not to bear any name or mark indicating the sender, not later than noon on February 17, 1956. The Council do not bind themselves to accept the highest or any tender.  
 Dated this 4th day of January, 1956.

M. SHAWCROSS,  
 Clerk of the Council.

Council Offices,  
 Woking.

C 9584

**BUSINESSES FOR DISPOSAL**17/6 for 36 words (min.) then 4d. per word  
Box 2/-

**KILBURN HIGH ROAD.** Wonderful position. Takings about £11,500 per annum, mostly counter trade. Dispensing small. Price £750. Stock, F/F, at val. Apply Box C 3250.

**BUSINESSES WANTED**17/6 for 36 words (min.) then 4d. per word  
Box 2/-

Old-established firm of manufacturing chemists desires to acquire businesses producing proven ethical branded products. Write:

V. A. PHILLIPS,  
 7 Park Place,  
 S.W.1.

C 9547

**APPOINTMENTS**18/- per half inch (min.) and pro rata.  
Box 2/-**BRADFORD "A" GROUP HOSPITAL MANAGEMENT COMMITTEE**

Pharmacist

required at the Bradford Royal Infirmary (Category V Hospital). Salary in accordance with Whitley Council decisions. Applications, stating age, experience and names of two referees, to the Secretary, Bradford Royal Infirmary. C 9541

**ADMIRALTY PHARMACISTS**

Applications are invited from Pharmaceutical Chemists for posts as pharmacists in R.N. Hospitals and Medical Depots at Home and Abroad. Salary scale £500 x £25-£575 x £30-£725. Starting pay according to previous professional experience, but candidates under 23 would enter at appropriate point below minimum quoted. Allowance of £25 a year payable in addition to holders of a recognised qualification higher than the normal pharmaceutical qualification (i.e., Ph.C.). Foreign Service Allowance payable overseas. Prospects of promotion to higher ranks. Superannuation benefits under National Health Service (Superannuation) Regulations 1950: deduction of 6 per cent, made from salary on that account. (Pharmacists due to be entered for compulsory National Service cannot be accepted as candidates for entry in this civilian grade.) Apply to, or call at: Medical Department, Admiralty, Queen Anne's Mansions, St. James's Park, London, S.W.1. C 9568

**CENTRAL ELECTRICITY AUTHORITY****EAST MIDLANDS DIVISION**

Applications are invited for the following position within this Division:-

Station Chemist,  
 Coventry Power Station  
 Vacancy No. 245/55

Previous experience in a Power Station laboratory is essential and candidates should preferably be Associates of the Royal Institute of Chemistry or hold an equivalent qualification. Candidates must be familiar with the methods of sampling and analysis of coal, water and oil and with the interpretation and application of the analytical results. Conditions of service and salary will be in accordance with Class G, Grade 7 (£790-£850 per annum) of the National Joint Board Agreement.

Closing date for receipt of applications, January 25, 1956.

This appointment will be pensionable within the terms and provisions of the Central Electricity Authority and Area Boards Superannuation Scheme.

Applications should be submitted on the official form AE6/ACT which may be obtained from Divisional Establishments Officer, Central Electricity Authority, P.O. Box 25, Barker Gate, Nottingham, and should be returned to the undersigned by the date stated. Please quote Vacancy Number.

L. F. JEFFREY,  
 Divisional Controller.  
 C 9573

**XIII CHESTER AND DISTRICT HOSPITAL MANAGEMENT COMMITTEE**

Pharmacist

Applications are invited for the post of Pharmacist in the Group Pharmacy, Whitley Council salary and conditions of service.

Applications giving full details of age, qualifications and experience together with the names and addresses of two referees should be forwarded to the Group Secretary, 5 King's Buildings, Chester. C 9577

**CRUMPSALL HOSPITAL,  
 MANCHESTER, 8**

Assistant Pharmacist

A vacancy exists for an Assistant Pharmacist. Please apply by letter to the Hospital Administrator as soon as possible. C 9563

**184 STRAND, W.C.2**

Tel.: TEMple Bar 9212/3 &amp; 6340

**WHOLESALE AND RETAIL****HOSPITAL MANAGEMENT COMMITTEE,****SHOTLEY BRIDGE GENERAL HOSPITAL, CO. DURHAM**

(General—841 Beds)

Locum Pharmacist

Salary according to experience, to maximum £14 14s. p.w. Apply Secretary, above address. C 240

**NORTH-WEST DURHAM HOSPITAL MANAGEMENT COMMITTEE,****SHOTLEY BRIDGE GENERAL HOSPITAL, CO. DURHAM**

Deputy Chief Pharmacist (Category IV)

Applications are invited from registered pharmacists for the above appointment. Department equipped with facilities for manufacturing and sterile work. Salary £625 by annual increments to £850.

Applications giving details of age, qualifications and experience together with names of two referees to the Group Secretary, Shotley Bridge General Hospital, Shotley Bridge, Consett, Co. Durham, immediately. C 9569

**NOTTINGHAM NO. 2 HOSPITAL MANAGEMENT COMMITTEE**

Pharmacists

Applications are invited for two posts of Pharmacist at the Nottingham City Hospital (Category V). The positions offer excellent experience, and would suit newly qualified persons (previous hospital experience not essential). Salary scale £500-£725 plus £25 for higher qualification.

Applications, stating name and qualifications, together with the names of two referees, should be sent as soon as possible to the Group Secretary, Nottingham No. 2 Hospital Management Committee, Sherwood Hospital, Nottingham, C 9565

**ST. ALFEGE'S HOSPITAL,  
 GREENWICH, S.E.10**

Deputy Chief Pharmacist

Applications are invited for the post of Deputy Chief Pharmacist in a well-equipped department at the above hospital (Category IV). Inspection of department by arrangement with Chief Pharmacist. National salary and conditions. Applications to Acting Secretary, G. & D. H.M.C., at above hospital. C 9578

**ST. MARGARET'S HOSPITAL,  
 EPPING**

Pharmacist

required at the above hospital. Salary and conditions of service in accordance with those laid down by the Pharmaceutical Whitley Council. Apply, giving details, to Superintendent of hospital. C 9592

**ST. MARK'S HOSPITAL,  
 CITY ROAD, LONDON, E.C.1**

Assistant in Dispensing

required. Salary according age/experience on scale rising to £495, with additional £20 if holding approved qualification. Detailed applications, names two referees, to Secretary. C 9589

**ST. PETER'S HOSPITAL,  
 CHERTSEY, SURREY**

(404 Beds)

Pharmacist

required. Salary £500-£725 p.a. according to experience. Whitley Council conditions. Accommodation available for single woman at £135 p.a. Applications stating age and experience with names of two referees to Hospital Secretary. C 9585

**'UNISEC'** from the Single  
Unit to the Complete Pharmacy  
WRITE FOR YOUR COPY OF THE STANDARD  
REFERENCE OF PHARMACY FITTING

**MYERS of OLD ST.**  
133/5 & 141/7 OLD STREET, LONDON, E.C.I

**Appointments—Continued****SUNDERLAND AREA HOSPITAL MANAGEMENT COMMITTEE**

Pharmacist

required for the Central Pharmacy, General Hospital, Sunderland, Whitby Council conditions. Salary £500 x £25 (3) = £575 x £30 (5) = £725.

Familiarity with machine processing and semi-scale manufacturing will be an asset. Apply immediately, naming two referees, to the Group Secretary, The General Hospital, Sunderland. C 9564

**THE BETHLEHEM ROYAL HOSPITAL AND THE MAUDSLEY HOSPITAL**

Senior Pharmacist

required at the Maudsley Hospital, Denmark Hill, S.E.5. The hospital is a Psychiatric Teaching Hospital associated with the Institute of Psychiatry in the University of London. Salary scale as agreed by the Pharmaceutical Whitby Council rising to a maximum of £805 a year including London Weighting. £25 a year for higher qualification allowed. Apply giving details of qualifications, experience and names of two referees to K. J. Johnson, House Governor and Secretary, Maudsley Hospital, Denmark Hill, S.E.5. C 9562

**THE LONDON HOSPITAL, WHITECHAPEL, E.1**

Pharmacist

has vacancy for registered pharmacist. Salary £500 rising to £725 plus London Weighting according to previous experience and service. Dining room facilities available. Write Secretary. C 219

**WILTSHIRE COUNTY COUNCIL**

Deputy Chief Pharmacist

Applications invited from pharmacists for superannuable appointment of Deputy Chief Pharmacist at Swindon Health Centre. Salary £625 to £850. Thirty-nine hour week. Applications, stating age, qualifications, experience and names and addresses of three referees to be sent to the undersigned as soon as possible.

P. A. SELBORNE STRINGER,  
Clerk of the County Council.  
County Hall,  
Trowbridge. C 9590

**WINDSOR GROUP HOSPITAL MANAGEMENT COMMITTEE, UPTON HOSPITAL, SLOUGH, BUCKS**

Senior Pharmacist

required. Department equipped for manufacturing and sterile work. Salary scale : £575-£775 p.a. Applications, stating age, qualifications and experience, with two referees to Hospital Secretary. C 9567

**SITUATIONS VACANT**  
12/- for 36 words (min.) then 4d. per word  
Box 2/-

The engagement of persons answering these advertisements must be made through a Local Office of the Ministry of Labour or a Scheduled Employment Agency if the applicant is a man aged 18-64 inclusive or a woman aged 18-59 inclusive unless he or she, or the employment, is excepted from the provisions of the Notification of Vacancies Order, 1952.

**RETAIL (HOME)**

**ASSISTANT PHARMACIST** required by old-established firm of Bristol chemists at their main branch. Excellent salary and prospects for the right person. Apply the Secretary, 107 Fishponds Road, Bristol, 5. C 236

**ASSISTANT PHARMACIST** (male or female) required for central emporium, Spacious, well-equipped dispensary. Good working conditions. Adequate assistance. Salary £800 p.a. with additional rota payments. Permanency with superannuation benefits. Living accommodation available if required. Applications to the Secretary, Worksop Co-operative Society, Ltd., Eastgate, Worksop, Notts. C 3220

**BARKING.** Branch manager pharmacist required for busy shop and good dispensing connection. Excellent opportunity for ambitious man to earn substantial salary and bonus. Good supporting staff and modern equipped dispensary, etc. Permanency with superannuation benefits. Accommodation available if required. Apply with full details stating when available for interview to Box C 3224.

**CORNWALL.** Pharmacist required by private limited company to manage high-class family business with adequate supporting staff. Apply, with usual particulars in first instance, to the Secretary, R. R. Bastion (Chemists), Ltd., Belmont Green Lane, Redruth, Tel.: 185. C 3221

**DISPENSER RECEPTIONIST** required, near Northampton, Hall or unqualified with dispensing experience. Please state age and experience. Box C 3231.

**DONCASTER CO-OPERATIVE CHEMISTS, LTD.**, require the services of Pharmacists (male or female) as branch managers, 44-hour week; minimum annual salary £840; bonus, increments for sales increases. Rota duties are additional payments. Applications with usual particulars to the Superintendent Chemist, Doncaster Co-operative Chemists, Ltd., P.O. Box 20, Doncaster. C 199

**LADY ASSISTANT** with attractive personality required for pharmacy in pleasant North London suburb; dispensing experience an advantage. Please write Box C 3254.

**LADY ASSISTANT** with good knowledge of dispensing required for middle-class family pharmacy. Must be able to work with other staff. Please give all details of age, previous experience, etc., to Arnold M. Gee, Ltd., 70 Herbert Road, Plumstead, S.E.18. Telephone: Woolwich 1064. C 3248

**LONDON, W.1.** Experienced lady counter assistant required. Knowledge dispensing not necessary. Good salary. Phone or write, Schiephak & Stevenson, Ltd., Chemists, 42 Charlotte St., London, W.1. Telephone: Museum 5194. C 239

**MANAGER REQUIRED** for private country pharmacy. House available. Apply stating age, experience, and salary required to H. Meynell, The Pharmacy, Tenterden, Kent. C 3227

**NORTH LONDON.** Assistant required mainly for dispensing for good-class business at Mill Hill. Salary according to age and experience. Permanent and progressive position. Three weeks holiday a year. Hours 9 a.m. to 6 p.m. Thursday, 1 p.m. Apply to A. R. Cross, Ltd., 476 Hertford Road, Enfield, or telephone Howard 1723 or 2916. C 9588

**STOCKTAKER REQUIRED** for Orridge & Company's Northern office. Permanency. Substantial salary and expenses. Previous experience advantageous but not wholly essential. Successful applicant must be prepared to travel. Apply in own handwriting to FMH, Orridge & Co., Ltd., 3 Rumford Place, Liverpool, 3. C 9593

**SURREY.** Dispensing assistant required for good-class business. Knowledge photographs an advantage. Staff of four. Small flat available, if required, 3 rooms, bathroom, small garden. Please write with usual details to R. R. Skidmore, 30 High Street, Banstead, or phone Burgh Heath 720 (Burgh Heath 2024 after 7.30 on Sunday). C 3234

**TWICKENHAM.** Excellent opportunity for pharmacist to manage family-type business in pleasant riverside district. Permanency with superannuation benefits. Good salary and commission. Nicely fitted shop with adequate supporting staff. Accommodation available if required. Apply with full details stating when available for interview to Box C 3223.

**IMPORTANT**

Box Office numbers are intended exclusively for specific answers to particular advertisements. Price Lists, Trade Circulars, Samples and Printed Matter cannot be forwarded.

**UNQUALIFIED ASSISTANT REQUIRED** for busy pharmacy chiefly for dispensing. Wages according to experience. Apply Mr. Scott, M.P.S., 565 Lea Bridge Road, Leyton, E.10. Phone : Ley. 3245. C 3225

**YORK.** Co-operative Chemists' Society, Ltd., require branch managers for an established branch and for new branches to be opened shortly. Good salaries. Permanent, progressive, pensionable positions. Living accommodation if required. One of these branches carries tenancy of beautifully appointed new flat at moderate rental. Apply in first instance with full details to Superintendent Chemist, 22 Railway Street, York. C 3213

**LOCUMS WANTED**

**LOCUM TENEN PHARMACISTS** are required for an extended tour of duty in the London and Suburban districts. Permanency at conclusion of tour if desired. Hours 9 a.m. to 6 p.m. Paid holiday. Salary and expenses basis. Apply to Chief Pharmacist, London Co-operative Chemists, Ltd., Grange Road, Leyton, E.10. C 3230

**WHOLESALE****ACCOUNT EXECUTIVE**

An interesting vacancy occurs in a London Agency handling top-line medical publicity for several leading pharmaceutical houses. The position offers a unique opportunity for a man of ambition and initiative, of good education and outstanding personality, aged about 30, with experience in medical and technical advertising, promotional printed matter, etc. It also offers adequate scope for personal progress and self expression. Fullest details in writing to :

L. B. SINGLETON, F.P.S.,  
Managing Director, L. B. Singleton, Ltd.,  
Advertising,  
16 Berkeley Street, W.1.

C 9594

**AN OLD-ESTABLISHED** and well-known company of manufacturing chemists situated in a North-west coastal town require an experienced man in the age group 35/40 for a supervisory position in the process department. The successful applicant will have a sound practical experience in pharmaceutical processing and manufacturing including tabling, and an ability to direct a mixed staff. Please give the fullest details, in confidence, with an indication of salary required to: Box C 9599.

**ASSISTANT WORKS MANAGER** required by firm of medical glassware manufacturers. Applicants should be between 25/30 years of age, having all-round knowledge of production, with experience in handling female labour. Minimum qualification H.N.C. Applications with full details to Glass Printers, Ltd., Frogner Works, Frogner Avenue, Harrow, Middlesex, attention Works Manager. C 3242

**AYRTON, SAUNDERS & CO., LTD.** require Pharmaceutical Chemist for analytical and research work, preferably with some experience. Applicant will be encouraged to work for A.R.I.C. if not already so qualified. Good opportunity. 5-day week, Pension scheme. Full details of age, qualifications and experience to Technical Director, 34 Hanover Street, Liverpool, 1. C 9556

**KLEENEX—KOTEX—DELSEY**

Applications are invited for appointments of Sales Representatives in the following areas:—

- |                 |               |
|-----------------|---------------|
| (a) East London | (d) Yorkshire |
| (b) South Wales | (e) Midlands  |
| (c) Lancashire  |               |

These appointments offer exceptional opportunity to men under the age of 30 possessing initiative and intelligence. Previous selling experience although not essential could be an advantage. Appointments are salaried and bonus schemes are in operation. Cars and full expenses provided. Apply in confidence giving full details of age and experience to the Sales Manager, Cellucotton Products, Ltd., Carkers Lane, London, N.W.5. C 9566

**Situations Vacant—Continued**

**A VACANCY EXISTS** for the post of Medical Representative in an established territory of Bedfordshire, Buckinghamshire, Berkshire and Hertfordshire, in an established company specialising in the sale of ethical preparations to the medical profession. Knowledge of the area and experience in the field of medical propaganda an advantage. Good salary and expenses with generous car allowance. Pension scheme. Write for interview giving full details to the London Medical Manager, Calmec, Ltd., 2, Mansfield Street, London, W.1. C 9582

**CHEMIST REPRESENTATIVE.** Keen young man (unqualified) required by well-known manufacturing chemists to call on chemists, wholesalers, doctors, in Yorkshire, Northumberland, Durham. Existing connection handed over and car provided. Remuneration by salary, commission and expenses. Pension scheme. Send full details previous experience and salaries, to Box C 9576.

**DALMAS, LTD.**, Leicester, wholesale chemists, manufacturers of surgical adhesive plasters and pharmaceuticals have a vacancy for a trade representative to call on chemists in South London. Salary, expenses and commission. Company car supplied. Apply by letter stating age, education, previous experience and salary required, to the Sales Manager, Dalmas, Ltd., Junior Street, Leicester. C 9536

**EXPERIENCED REPRESENTATIVES** required with good live connection amongst ladies' hair-dressers and stores for London and other territories by well-known progressive manufacturers. Commencing salary £500 per annum plus commission and expenses. Replies giving fullest details to Box C 3238.

**INTERNATIONALLY KNOWN PHARMACEUTICAL COMPANY** in the north of England who are reorganising their purchasing arrangements require a man aged 25-35 with knowledge of modern buying techniques. Experience in buying drugs and packaging desirable. This position offers excellent prospects to the right man. Applications stating age, education, qualifications to Box C 9579.

**INVOICE TYPIST** urgently required. Hours 9 to 5.30, No Saturdays. Canteen facilities. Write or telephone for an appointment to The London Essence Co., Ltd., Albany Road, Camberwell, S.E.5. Tel.: Rodney 2324. C 234

**GLASGOW.** The opportunity arises for keen and capable man to take over and develop established connection of well-known ethical house. The position is permanent and pensionable with salary, expenses and commission. Qualification or experience not essential but sound pharmaceutical background and residence on the territory is necessary. Write in confidence with full details of career in first instance. Our staff know of this advertisement. Box C 9574.

**JOHN BELL, HILLS & LUCAS, LTD.**, require a young pharmacist. The post offers good prospects in the company and is vacant now. Please write stating age and qualifications to the Managing Director, John Bell, Hills & Lucas, Ltd., Oxford Works, Worsley Bridge Road, Lower Sydenham, S.E.26. C 9570

**LEADING RUBBER MANUFACTURERS** require an experienced representative, of outstanding personality and above-average sales ability, who has an established connection with chemists, hardware dealers, ironmongers and the large stores in Nottinghamshire, Leicestershire, Northamptonshire and South Lincolnshire. Applicants must be car owners. Remuneration by salary, commission and expenses. All replies, which will be treated in confidence, in writing, in the first instance, to the Home Sales Manager, William Freeman & Co., Ltd., Suba-Seal Works, Peel Street, Barnsley, Yorks. C 3251

**MANUFACTURERS** of well-known toilet and household products require a very experienced representative to take over an excellent connection which exists in the North-west of England. This vacancy has been caused by the promotion of the present representative. Remuneration is by salary, commission, expenses and car allowance. Box C 9571.

**MEDICAL REPRESENTATIVES**  
Eli Lilly & Co., Ltd., invite applications from young pharmacists to act as representatives on two compact territories, viz.: (a) South-east London; (b) Birmingham. The situations, which are progressive and pensionable, involve calling on doctors, retail pharmacists and hospitals. Previous representative experience is unnecessary. Please send full particulars by letter to Eli Lilly & Co., Ltd., Basingstoke, Hants. C 9580

**MEDICAL REPRESENTATIVES**

Applications are invited from Pharmacists up to 35 years of age who are interested in representing a Pharmaceutical House of International repute in the following territories:—

- |                      |                    |
|----------------------|--------------------|
| (a) Bucks and Berks. | (c) S.W. Scotland. |
| (b) N. London.       | (d) East Anglia.   |

Previous experience is unnecessary as training will be given, but candidates should have a good pharmaceutical background and a keen interest in ethical pharmacy. Initial salary will be based on experience, subsequent adjustment will recognise initiative and ability. Company car provided. A general Pension and Life Assurance plan is in operation.

Write in the first instance for an application form to the Home Sales Manager, Parke, Davis & Co., Ltd., Staines Road, Hounslow, Middlesex. C 9597

**EXPORT MANAGER**

Progressive ethical manufacturers require experienced man, preferably qualified, to take charge of new department dealing with export sales. Applicants should be ambitious and prepared to build up from small beginnings to create a worth while future for himself. Residence in the London area is necessary. Commencing salary up to £1,200 and a pension scheme is available. Full details in strict confidence to Managing Director, Box C 9575.

**MEDICAL REPRESENTATIVES**

Due to expansion Sandoz Products, Ltd., invite applications from young men for the appointment of medical representative in the following areas:—(a) Sheffield area, including part of West Riding of Yorkshire; (b) Cambridgeshire, Huntingdonshire, Norfolk and Suffolk; (c) South Wales, including South Welsh counties and Monmouthshire; (d) Oxfordshire, Berkshire, Buckinghamshire, Northamptonshire and Wiltshire; (e) Glasgow, North of the River Clyde and North-west Scotland. Attractive salary. Superannuation scheme in operation. Thorough training given. Age not exceeding 32. Applicants should be pharmacists (preferably F.P.S.). Please send full details of age, education, qualifications and experience, with photograph (which will be returned) to Staff Manager, Sandoz Products, Ltd., 134 Wigmore Street, London, W.1. C 9581

**ORDER AND INVOICE CHECKER** required. Experience of purchase tax essential. Apply Personnel Manager, The Crookes Laboratories, Ltd., Park Royal, N.W.10. C 9522

**PHARMACIST REQUIRED** by manufacturing chemists Lancashire. Wholesale selling experience drugs and galenicals desirable. Commencing salary £1,000 p.a. Pension scheme. Five-day week. Applications giving details of experience to Box C 9573.

**PILL MAKER AND COATER REQUIRED** by old-established firm of pharmaceutical manufacturers in the City. Phone Clerkenwell 3370 C 9450

**REPRESENTATIVES** or sole agents required for development of well-known non-seasonal and non-competitive proprietary. Several territories available including London. Only energetic men with record of real selling ability and strong connections should apply. Liberal commission on all business. Other fine products if required. Fullest details in first instance, i.e., age, lines carried, experience, territory, if car owner, etc. Box C 3255.

**REPRESENTATIVE** required by firm of manufacturing chemists to call on doctors, hospitals and chemists in connection with ethical pharmaceutical specialities. Territory: East Scotland. Applicants must live on, or near ground. Box C 9559.

**RIKER**

Riker Laboratories, Ltd., are again expanding their representative force and invite applications for vacancies in the following areas:

1. Durham.
2. Liverpool and the Wirral Peninsula.
3. Yorkshire (two vacancies—the West Riding, and North and East Riding).

A pharmaceutical qualification is desirable but consideration will be given to other suitably qualified persons. A Company car is provided and remuneration is by salary, expenses and bonus. There is a Company pensions' scheme in operation. Previous experience is not essential as full training will be given.

Apply in writing in the first instance to Sales Department, Morley Street, Loughborough, marking the envelope "Medical Representative." C 9600

**LITTO Preparations**  
are now being manufactured by  
**VINES BIOGRIN LTD.**  
222-224 HARROW ROAD, LONDON W.2  
to whom all orders and enquiries should be addressed

PATCHOID, CREMARD  
SEBACOID, TINTAS,  
SPECIAL & STANDARD

**SIMBILT PHARMACY FITTINGS**  
TRADE MARK  
229, OLD ST., LONDON, E.C.1.  
TELEPHONE CLERKENWELL 5886

OVER 40 YEARS  
EXPERIENCE

★

Send for  
**CATALOGUE OF  
UNIT FITTINGS**

### Situations Vacant—Continued

#### SALES EXECUTIVE

Parke, Davis & Company, Limited, require the services of a pharmacist with a fluent knowledge of French and Spanish as a sales executive in the Foreign Sales Department. This position offers considerable scope for progress, with opportunities for overseas travel. Generous Pension Plan, 5-day week, Staff Restaurant. Applications in the first instance should be addressed to:

Personnel Manager,  
Parke, Davis & Company, Limited,  
Staines Road,  
Hounslow, Middlesex

C 9551

#### THE BRITISH DRUG HOUSES, LIMITED Young Male Pharmacist

required for Galenical Production Department in London. The post, which is an interesting and progressive one, is suitable for a person with a flair for practical pharmacy. Five-day week, contributory pension scheme, profit-sharing scheme. Write stating age and experience to the

Personnel Manager,  
ref. HAC/JO,  
The British Drug Houses, Ltd.,  
Graham Street, London, N.1

C 9586

**TRUFOOD, LTD.** Representative required to call on the medical profession and pharmaceutical trade in South Wales. The applicant should be a young man, preferably between the ages of 25 and 30, either a pharmacist or with some pharmaceutical experience and with a genuine interest in a career as a medical representative. He must reside, or be prepared to reside in the area. Remuneration is by salary. Company provides car and expenses. Write, giving brief résumé of experience and salary expected to Sales Manager, Trufood, Ltd., Green Bank, London, E.1, C 9591

**UNITED KINGDOM DISTRIBUTORS** for a new range of ophthalmic preparations require a representative to visit ophthalmologists throughout the country. Remuneration by salary and expenses. Company's car provided. Contributory pension scheme is in operation. Apply in first instance to Box C 3241.

**WELL-KNOWN PHARMACEUTICAL** house requires medical representatives in the following areas—1, Northumberland, Durham, North Riding, Cumberland and Westmorland. 2, Liverpool and District, 3, South Wales, Gloucester and Wilts. Applicants with previous experience desirable, but not essential. Age not exceeding 35. Box C 9587.

#### WHOLESALE (OVERSEAS)

**ABBOTT LABORATORIES, LTD.**, manufacturers of fine pharmaceuticals wish to engage a representative for Nigeria and the Gold Coast aged between 27 and 35 years. Candidates should be single. It is not essential that the candidate should have previous experience in the pharmaceutical industry as adequate training will be given. Apply giving full details of age, education and career to date to ref. AJW, 3 Wadsworth Road, Perivale, Greenford, Middlesex. C 9532

#### AGENTS WANTED

17/6 for 36 words (min.) then 4d. per word  
Box 2/-

AGENTS with established A1 connections amongst wholesalers required by manufacturers of nylon hair nets, branded goods; excellent quality. Very attractively packed and at very competitive prices against good commission. Samples a few oz. only. Reply with references to Box C 9558.

**M.A.A.**—The badge of a good manufacturers' agent. Manufacturers requiring reputable agents are invited to communicate with the Secretary, The Manufacturers' Agents' Association of Great Britain & Ireland (Inc.), Bream's Buildings, E.C.4. Membership available to established agents only. Particulars supplied. C 4

**MANUFACTURERS** of wide range of toilet-holdalls, sponge-bags, powder puffs, etc., seek agents. High rate of commission. Fast-selling lines. Will provide a sound additional income to men calling on chemists and stores. Southern England, Midlands, Scotland, Wales, Northern Ireland. Box C 3235.

**OWING TO RECENT BEREAVEMENTS**, smart Travellers required by well-known brush manufacturers for various parts of England and Scotland, with good connections amongst stores, chemists, hairdressers, etc. The position will carry a good remuneration for keen men. Salary, commission and expenses. Send full particulars of ground covered, turnover, age, experience and remuneration required. State whether engaged, with copies only of references, if any, which will be treated in confidence to Simpkins Shaving Brushes, Nimmer Mills, Chard, Somerset. C 3246

**SOLE IMPORTERS** of the exclusive Kiddysponges now require coverage in London (South of Thames), Essex, Kent, Sussex, Warwickshire, Lancashire, Wales, Northumberland, Durham, Cumberland, Westmorland. Excellent additional line for established agents calling on retailers, 10 per cent. commission. Exhibiting at Blackpool Fair 1956. Box C 3222.

#### SITUATIONS WANTED

3/- for 18 words (min.) then 2d. per word  
Box 1/-

**DOCTOR**, good "ideas man," with experience of pharmaceutical industry, writing, advertising and public relations, seeks interesting post. Box C 3249.

#### WHOLESALE

**EXPERIENCED** London-trained medical representative, Ph.C., at present employed in Eire, desires change to more progressive firm or would consider position in England. Box C 3244.

**REPRESENTATIVE**, 10 years present post. Extensive hospital background. Strong connection all London hospitals, seeks post similar with scope for advancement. Only established reputable firms considered. Write Box C 3252.

**REPRESENTATIVE**, Excellent connection wholesale and retail chemists London and Home Counties. Age 40, own car, I.S.M.A. finalist. Experienced in admin. and staff control. Box C 3243.

**SALES MANAGER**, 31, actively engaged in, and conversant with, pharmaceuticals, heavy chemicals and specialities. Well versed in administration, agency foundation, international merchandising, freighting and negotiation. In constant touch home and export markets. Seeks position having sound possibilities of progress. Apply Box C 3194.

**YORKSHIRE REPRESENTATION**. Representative, age 38 years, requires situation. 10-years' experience calling on chemists, co-ops, medical welfare departments. Very good personal connection. Apply Box C 3233.

**YOUNG MAN**, experienced in drug and chemical sales seeks change in similar fields. Must be London area. Box C 3253.

#### AGENCIES WANTED

17/6 for 36 words (min.) then 4d. per word  
Box 2/-

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